

*“We only have two demands!  
Why don't people just give us what we want?”*

## DO YOU REALLY WANT A CULTURE OF LEARNING INNOVATION?

---

DR. JEFF D. BORDEN

VICE PROVOST OF LEARNING EXPERIENCE

NATIONAL UNIVERSITY

# Teaching Perspective (Sketch of a Woman from the Inside Out)

D2L | Brightspace | Jeff Borden Course



Content Assignments Discussions Quizzes Classlist Grades Class Progress Course Tools ▾ Help ▾



Search Topics



Overview

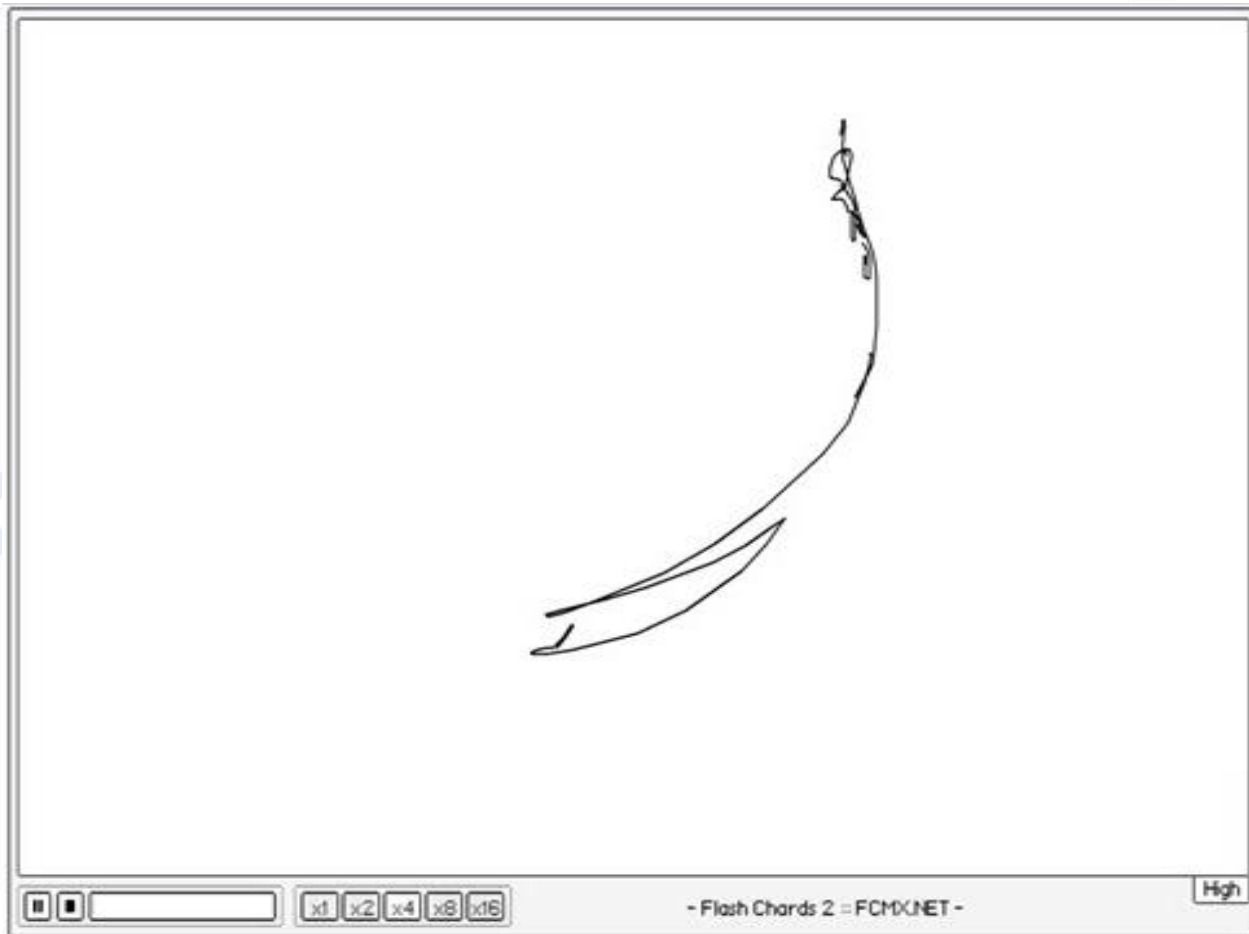
Bookmarks

Course Schedule

Table of Contents

Advanced Instruction

Add a module...



- Flash Chards 2 - FCMXNET -

High

# Gamified Learning: Contagion

Search Topics

- Overview
- Bookmarks
- Course Schedule

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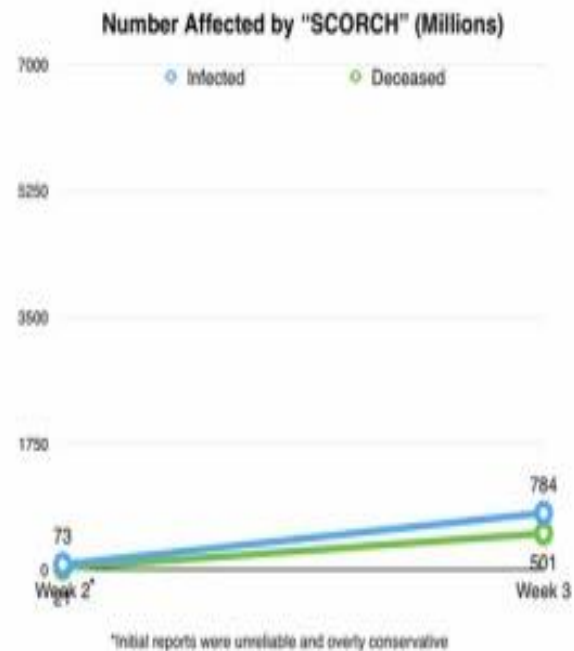
WORLD DASHBOARD

Add a module...

## WORLD DASHBOARD

Print Settings

....Contagion Identified as Streptococcus Pneumoniae....C



# Cut Off R.E.M. = B.A. of .10





# Student Health

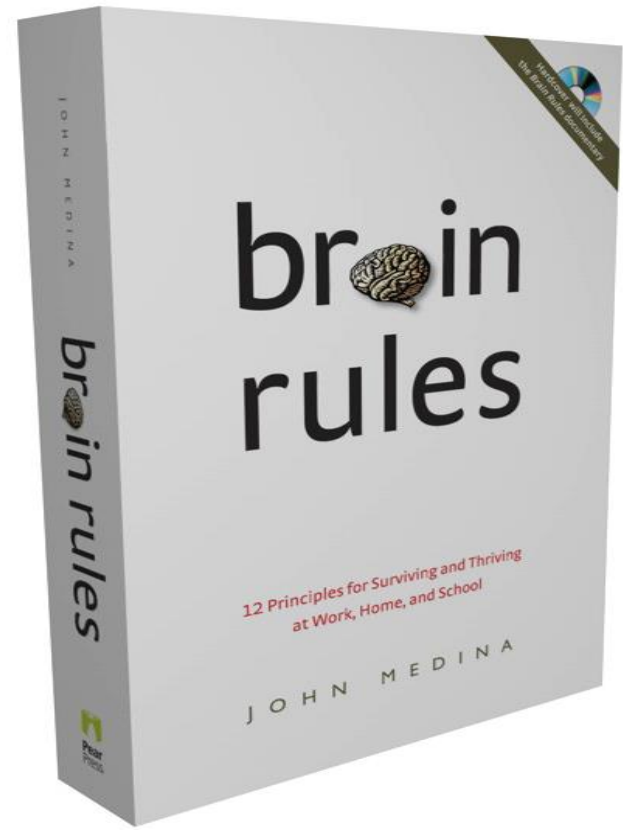
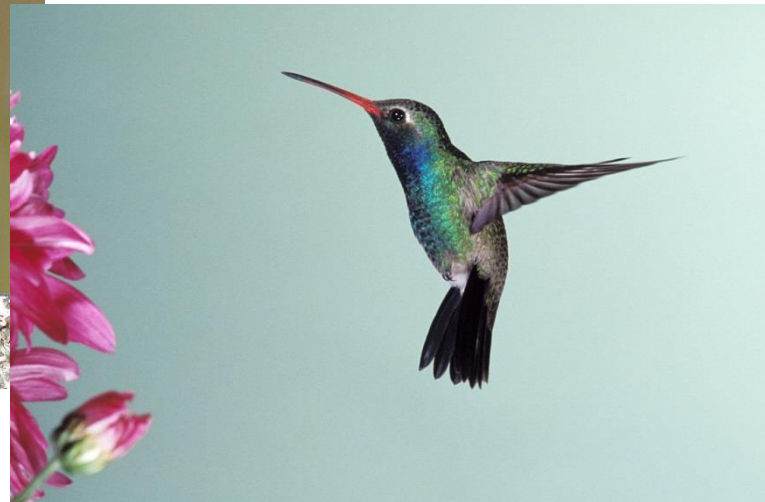
School Start Times

Education Commission of the States

[www.ecs.org](http://www.ecs.org)



©Lior Kiselev



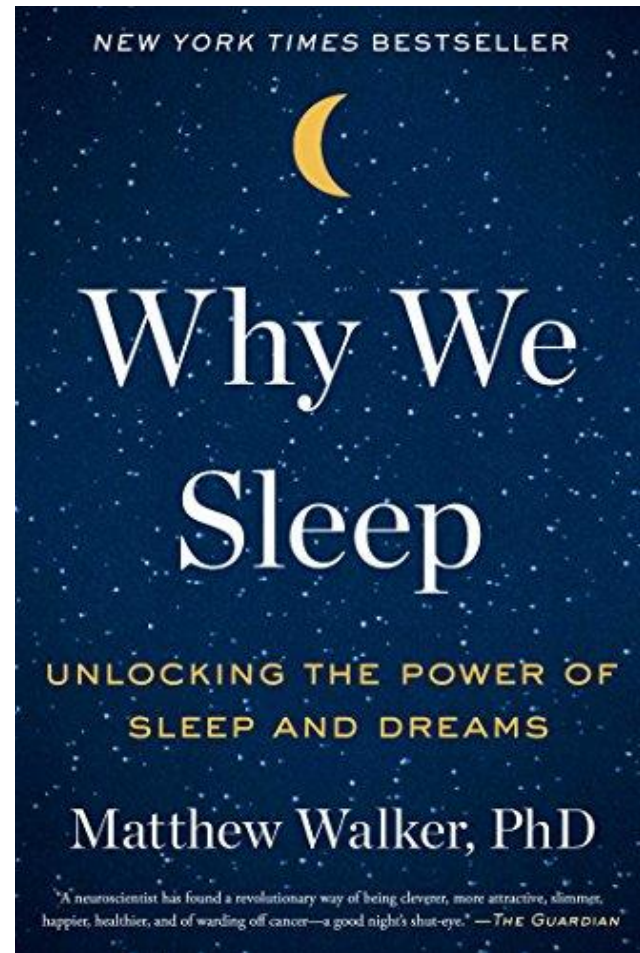
# D2L



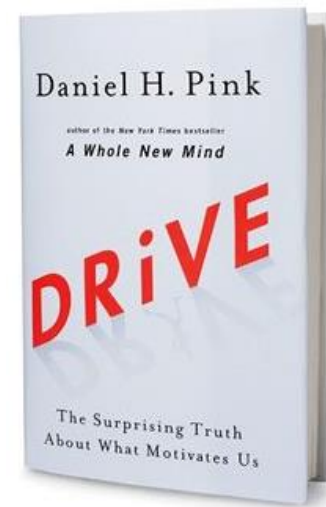


# Sleep Maximizes Serotonin

*“Within the brain, sleep...enriches our ability to learn, memorize, and make logical decisions and choices... Sleep recalibrates our emotional brain circuit, allowing us to **navigate** next day **social** and **psychological challenges** with cool-headed composure.”*

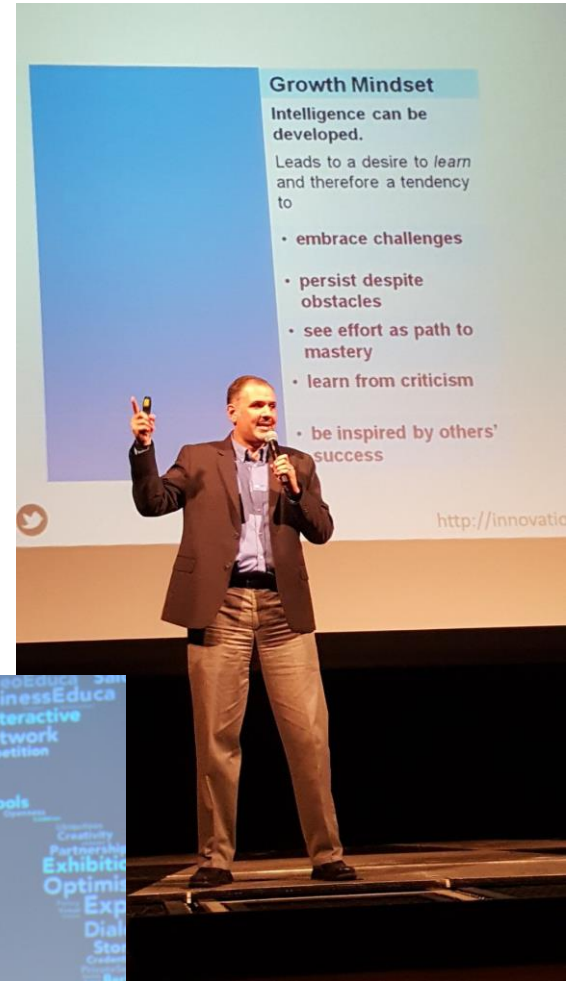


Dan Pink (Drive, 2005)



*“There is a significant gap between what scientists know about how our brains work and ways organizational behaviorists will tell you our institutions operate.”*

# 40 Countries / 49 States



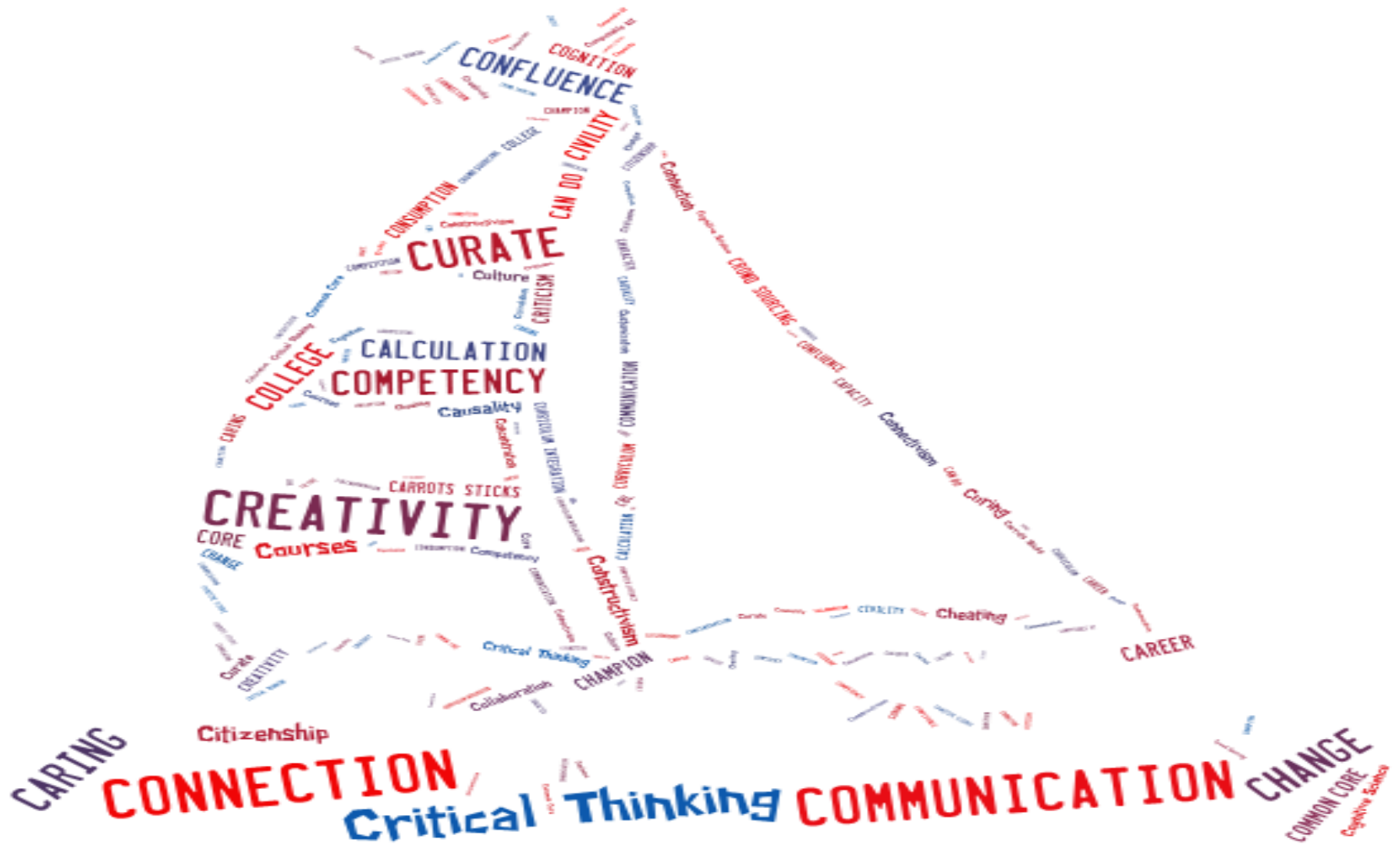




# Dr. Jeff D Borden



# The "C's" of Academic Innovation



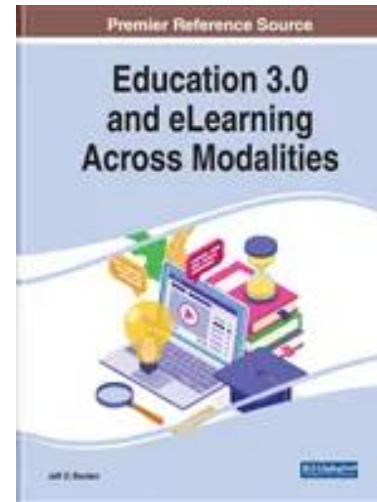
# Dr. Jeff's Chapters / Books



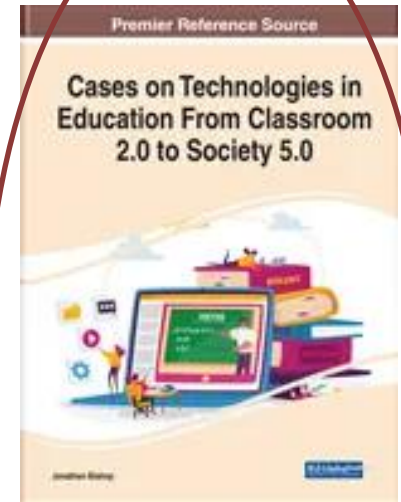
(Ch 5) **The Science and Technology of Interconnectedness**



(Ch 13) **Noncognitive Signals and Systems: The Science and Technology of Connectedness**



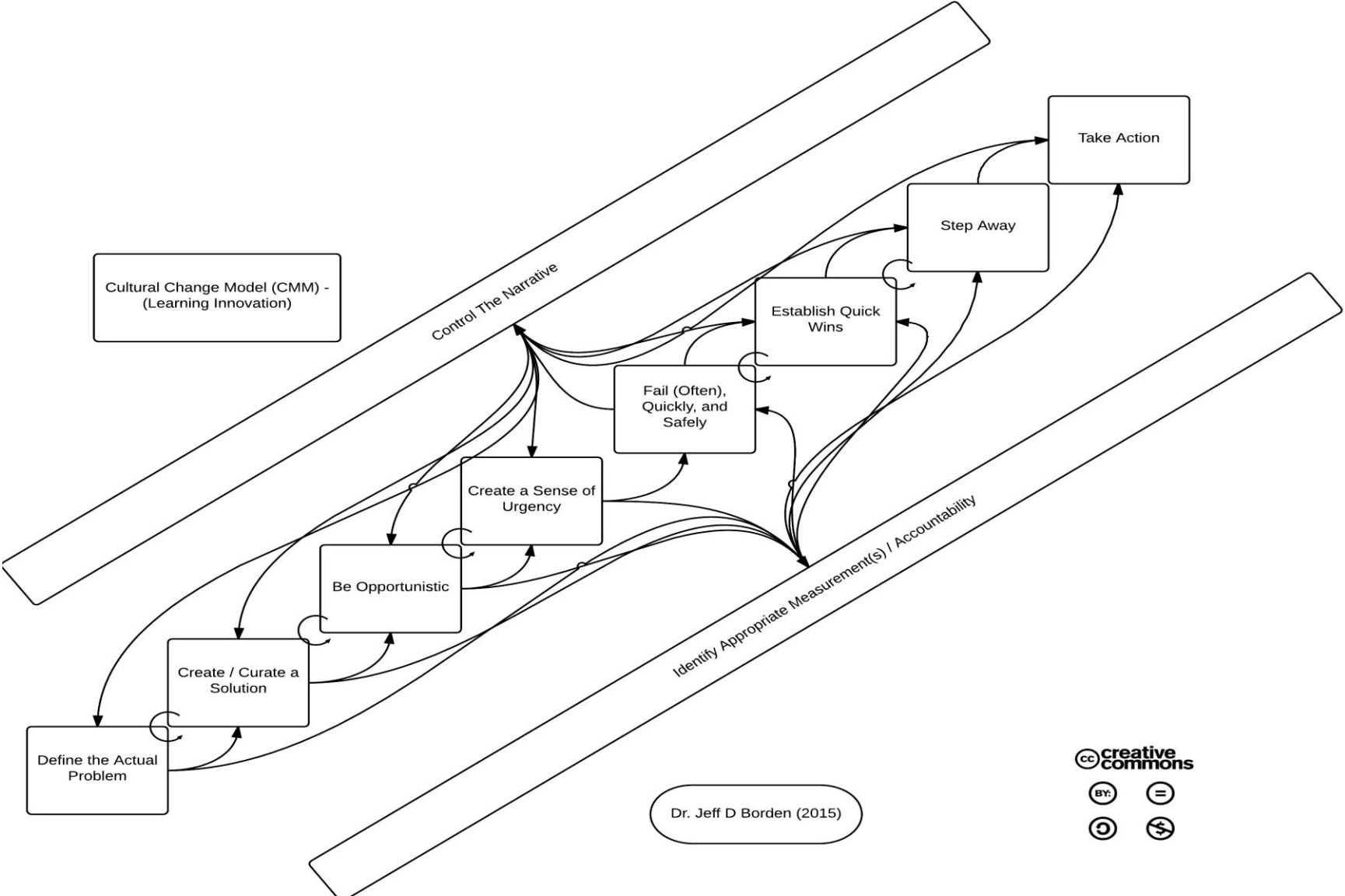
Anthology Editor  
(Preface / Ch 1)  
**Education 3.0:**  
What Is It and How Do We Achieve It?



(Ch 7) **Education 3.0:**  
Some Innovation Required

If interested in purchasing a book from IGI publishing, use discount code "IGI50" for 50% off- <https://www.igi-global.com/gateway/book/258351?ct=-8585668644467097054> – note, as academic anthologies, authors are not compensated for book sales.

# Learning Innovation Change Model Evolution

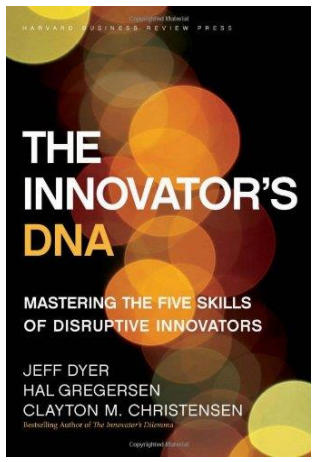
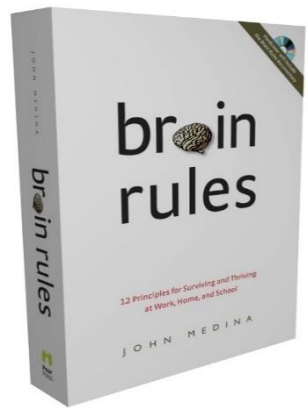
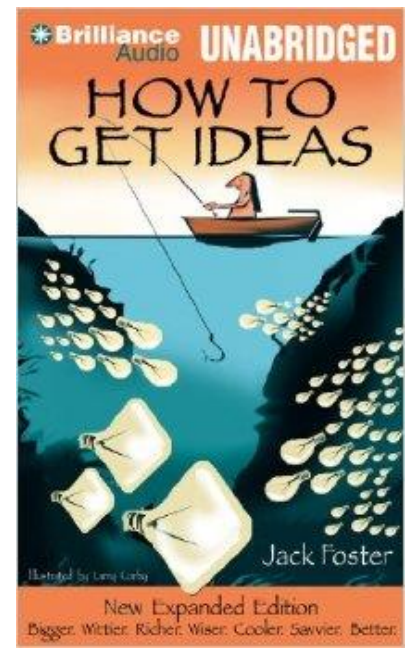
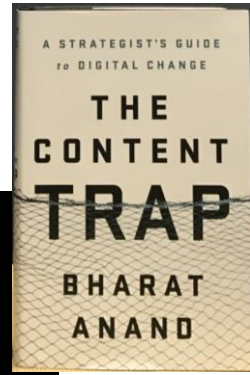
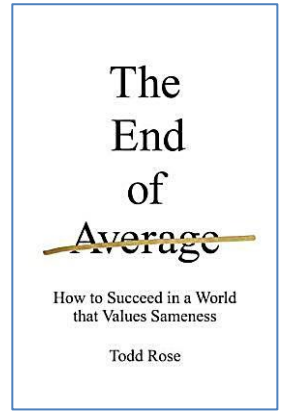
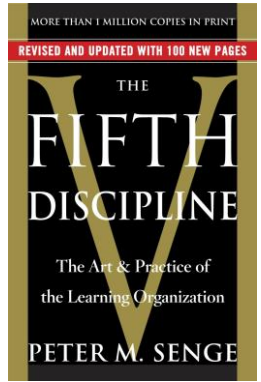
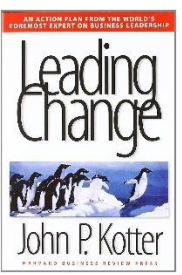


Dr. Jeff D Borden (2015)

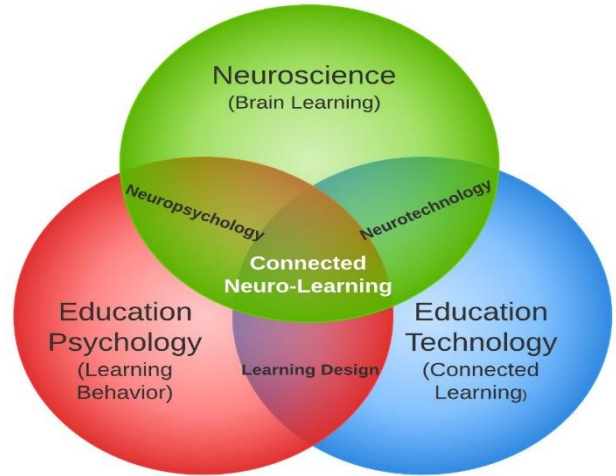




# Learning Innovation Architecture



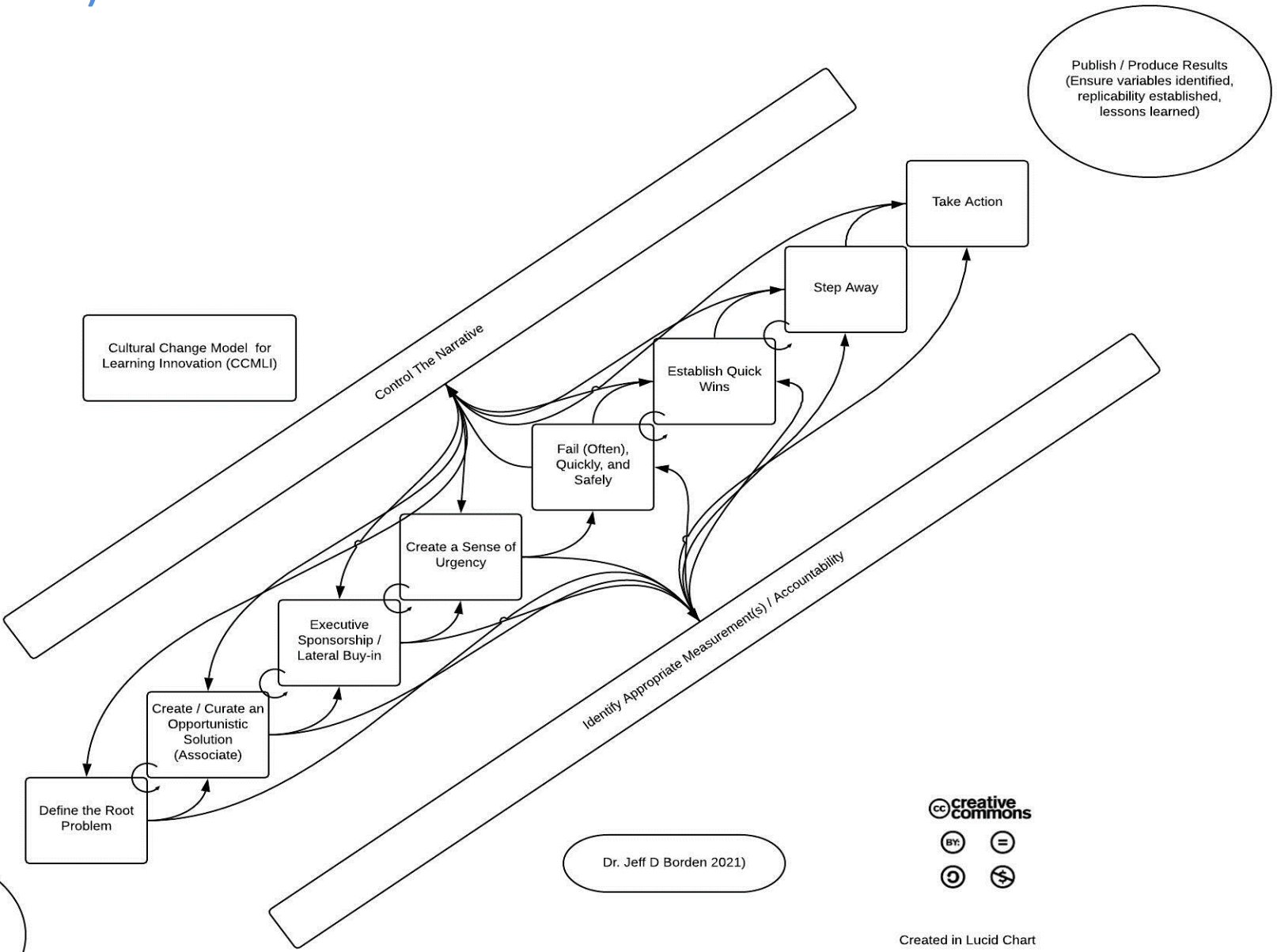
**WIRED**



# CCMLI (2021)

Consistent cross-contextual reading, research, experience, hiring, brainstorming

Cultural Change Model for Learning Innovation (CCMLI)



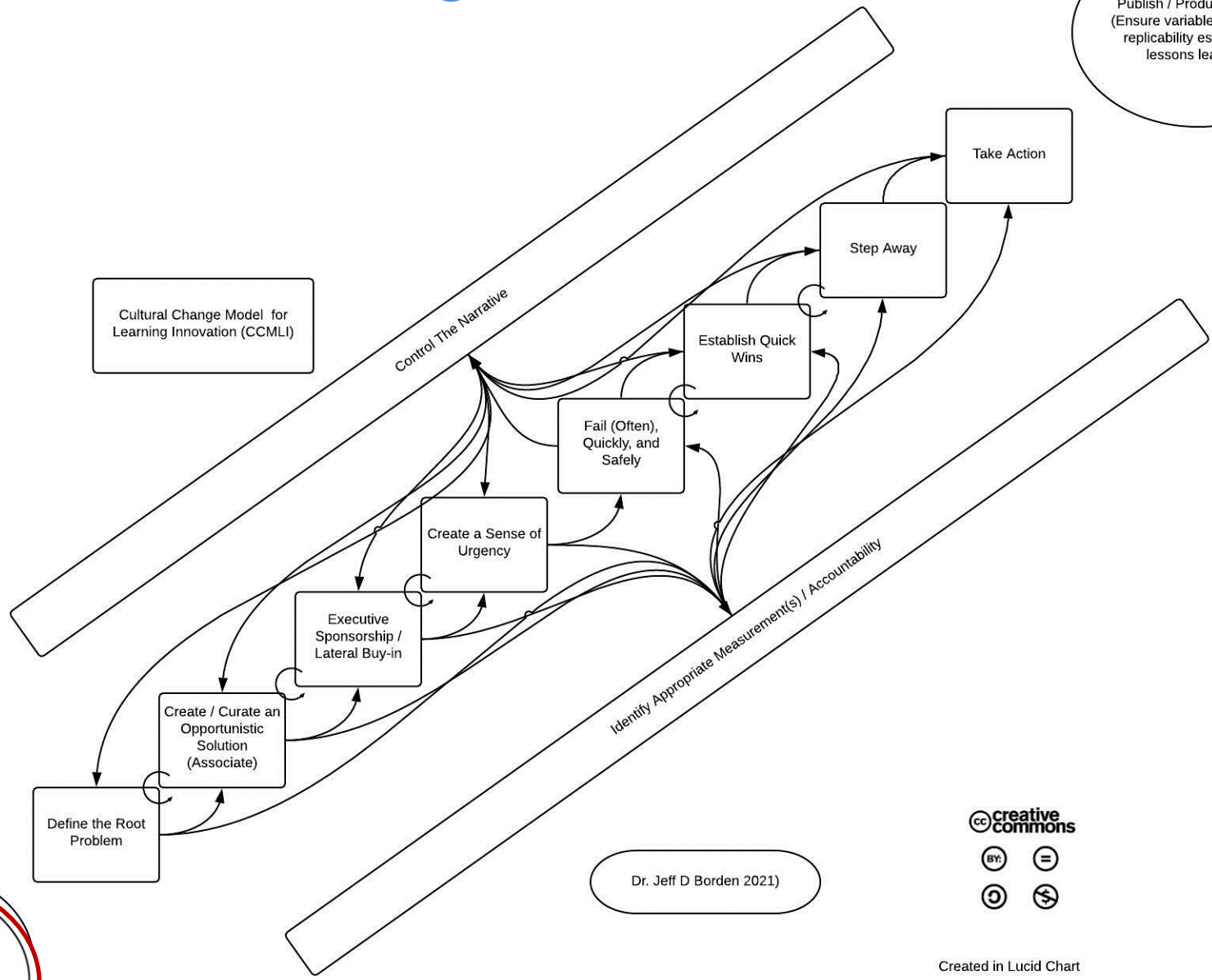
Dr. Jeff D Borden 2021)



Created in Lucid Chart

# CCMLI: Associative Thinking

Publish / Produce Results  
(Ensure variables identified,  
replicability established,  
lessons learned)



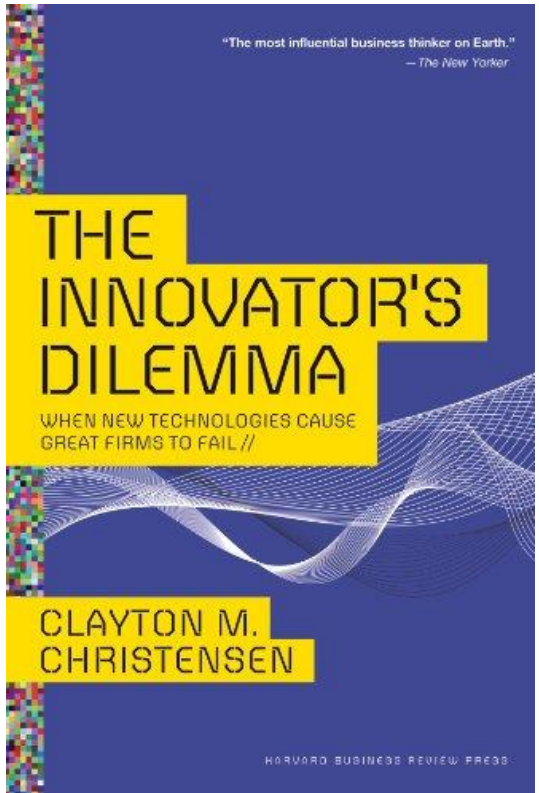
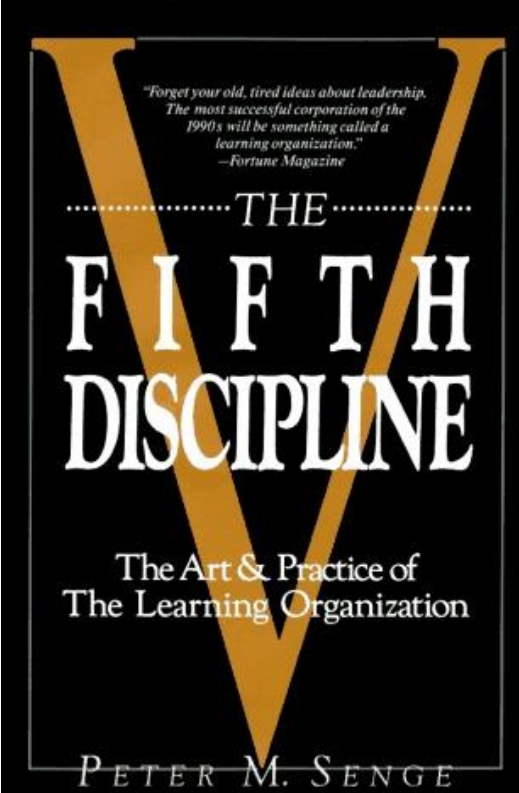
Cultural Change Model for Learning Innovation (CCMLI)

Consistent cross-contextual reading, research, experience, hiring, brainstorming

Dr. Jeff D Borden 2021)



# Innovation = Associating (aka Medici Effect)





Consistent, cross-contextual reading, research, experience, hiring, brainstorming, etc.

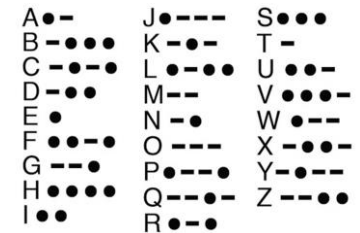


McEwan applied fractal graphics to gold mining after attending a computer conference about open-source.

Doctors created smaller injection needles based on mosquitos.

Alexander Graham Bell made the phone's diaphragm after going to audiology school, understanding how the human ear works.

Ford created the first automobile assembly line based on one of his executive's (William Klann) work at a slaughterhouse.



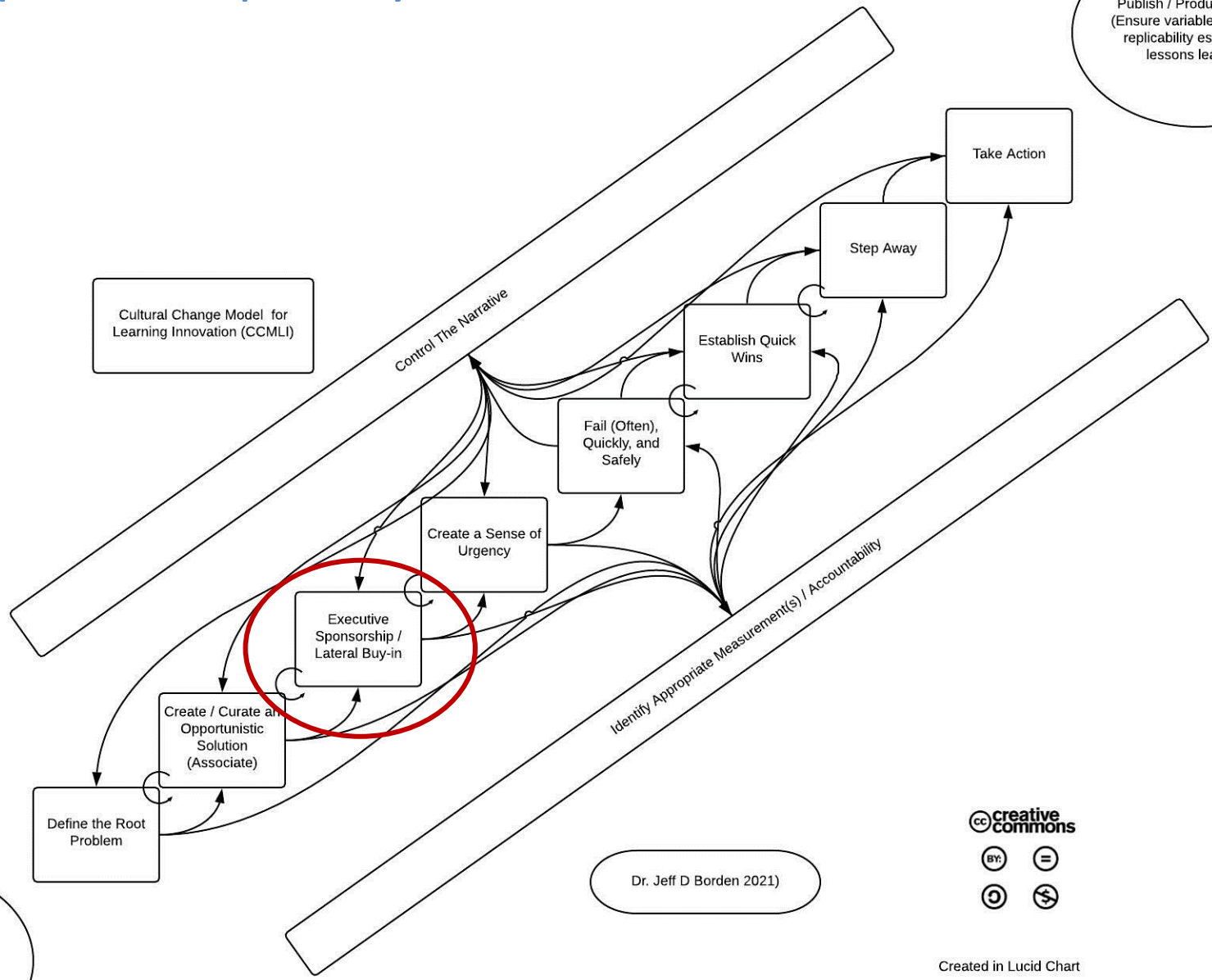


# Do You Really Want Innovation?



# CCMLI: Sponsorship / Buy-in

Publish / Produce Results  
(Ensure variables identified,  
replicability established,  
lessons learned)



Cultural Change Model for Learning Innovation (CCMLI)

Consistent cross-contextual reading, research, experience, hiring, brainstorming

Dr. Jeff D Borden 2021)



Created in Lucid Chart

# Who Innovates?



“...top executives do not feel personally responsible for coming up with strategic innovations. Rather, they feel responsible for facilitating the innovation process. In stark contrast, **senior executives of the most innovative organizations—a mere 15%** in our study—don’t delegate creative work. They do it themselves.” *Dyer (et.al.), Innovator’s DNA, 2011*

Latest News

**Innovator Stig Leschly Encourages Failure at President's  
Challenge Launch**

By Brandon J. Dixon  
10/23/2015



Business

## Jeff Bezos' 'shadow' most coveted job at Amazon

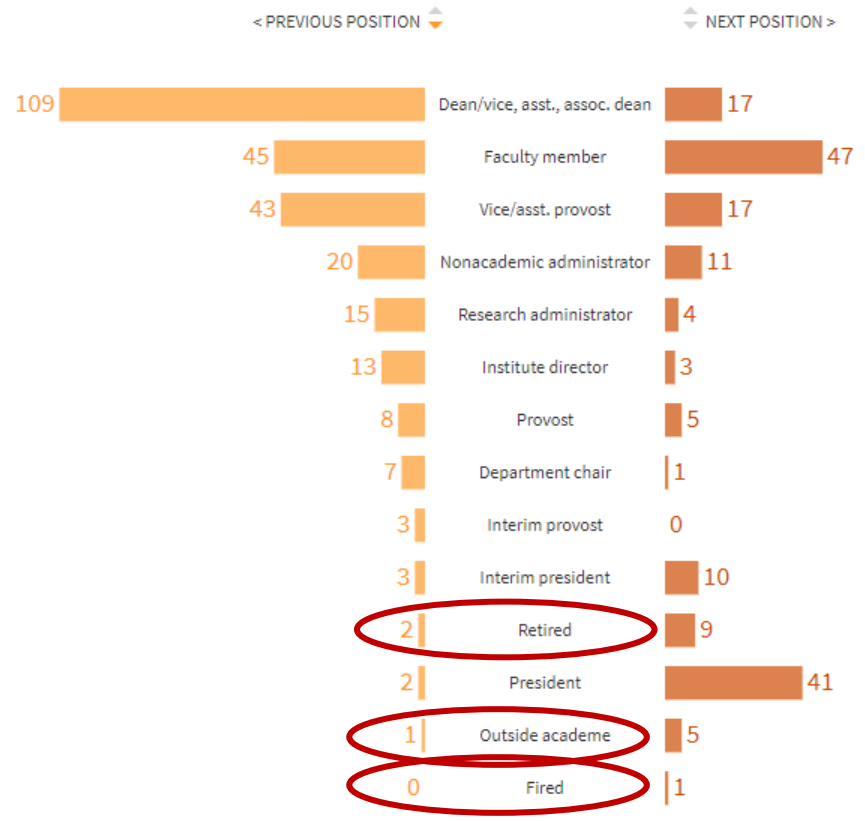
Most coveted job at company is adviser who follows and observes Bezos everywhere



## SENIOR LECTURER OF BUSINESS ADMINISTRATION

Stig is currently a Senior Lecturer at Harvard Business School where he teaches entrepreneurship. Stig was also a lecturer on entrepreneurship at HBS from 2001-2004. Stig is a primarily a practicing entrepreneur. Click "read more" for a detailed biography.

# Provost & Associative Thinking



SOURCES: Higher Education Directory; *Chronicle* research and reporting



# Faculty & Associative Thinking

**Quora**

Postdoctoral Researchers | Academia | College and University Faculty | Career Advice

## When considering faculty candidates, do academic institutions value industry experience (particularly in STEM fields)? Would a postdoc position be more valuable than industry experience?

Answer Follow · 2 Request

**Gavin Tabor**, 25 years experience of CFD with OpenFOAM   
Answered May 18, 2019

Typically, no. Universities are typically interested in a. Publications and b. Grant income. For a new hire, you are unlikely to have a track record of grants, so it will largely depend on how many publications you have and are likely to generate quickly. Industry experience is unlikely to count for much unless you can demonstrate that it will help with a or b - eg if it will help you get grant income.

197 views · 3

**Martin J Pitt**, Worked in universities and the real world   
Answered May 19, 2019

In my experience, industrial experience has no value unless it was in research and has resulted in publication. Postdoc is definitely more likely to get you in.

Sadly, I remember the time when it was common in engineering departments to have staff with industrial experience and no PhD. However the demand for research money, publications and esteem is the key driver. The safest general strategy is to never leave universities from the day you enter as an undergraduate, but do get experience of industry. This gives different perspectives and builds networks for cooperation.

News · View 1 upvote

1

**David Tovey**, Music professor and associate dean (retired, 2018) at The Ohio State University   
Answered May 19, 2019

Academic institutions usually tend to value academic experience because they know what it is. Still, depending on the nature of your industrial experience—especially if it involved research—a university might think of you as a unique addition to a department's faculty.

118 views

**Tipper Rumpf**, Slept at a Holiday Inn Express Last Night   
Answered May 23, 2019

Industry positions are valued, but unfortunately they tend to be less valued than an academic position. That is because an industry job does not necessarily demonstrate all of the things it takes to be professor. Thus, it is harder to know if an industry person will be successful in academia.

116 views

# Do You Really Want Innovation?

Fac Dev

Innov8

Learning

Content

Library

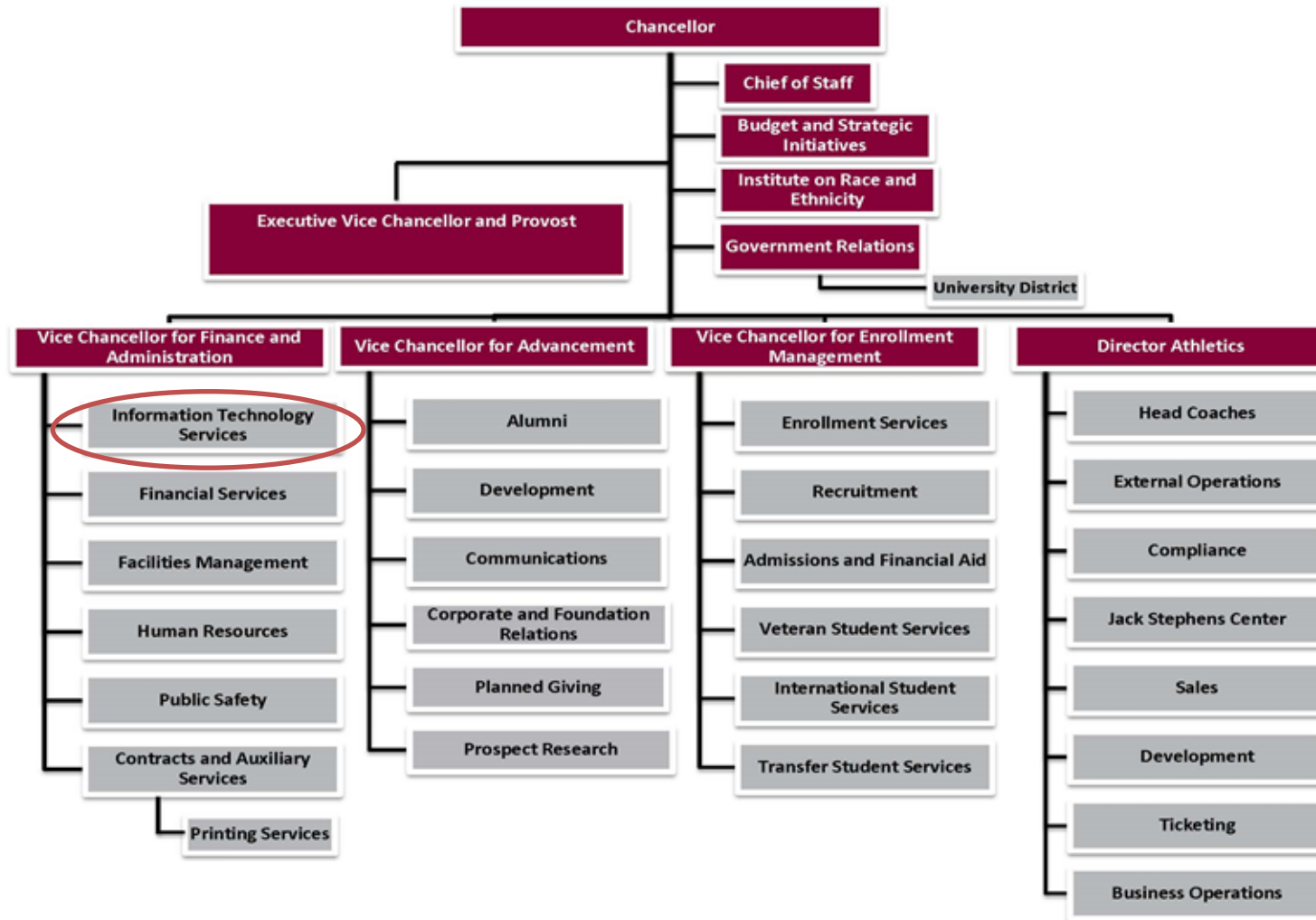
Ed Tech

Course Design

Research

Learning Analytics

# Do You REALLY Want Innovation?

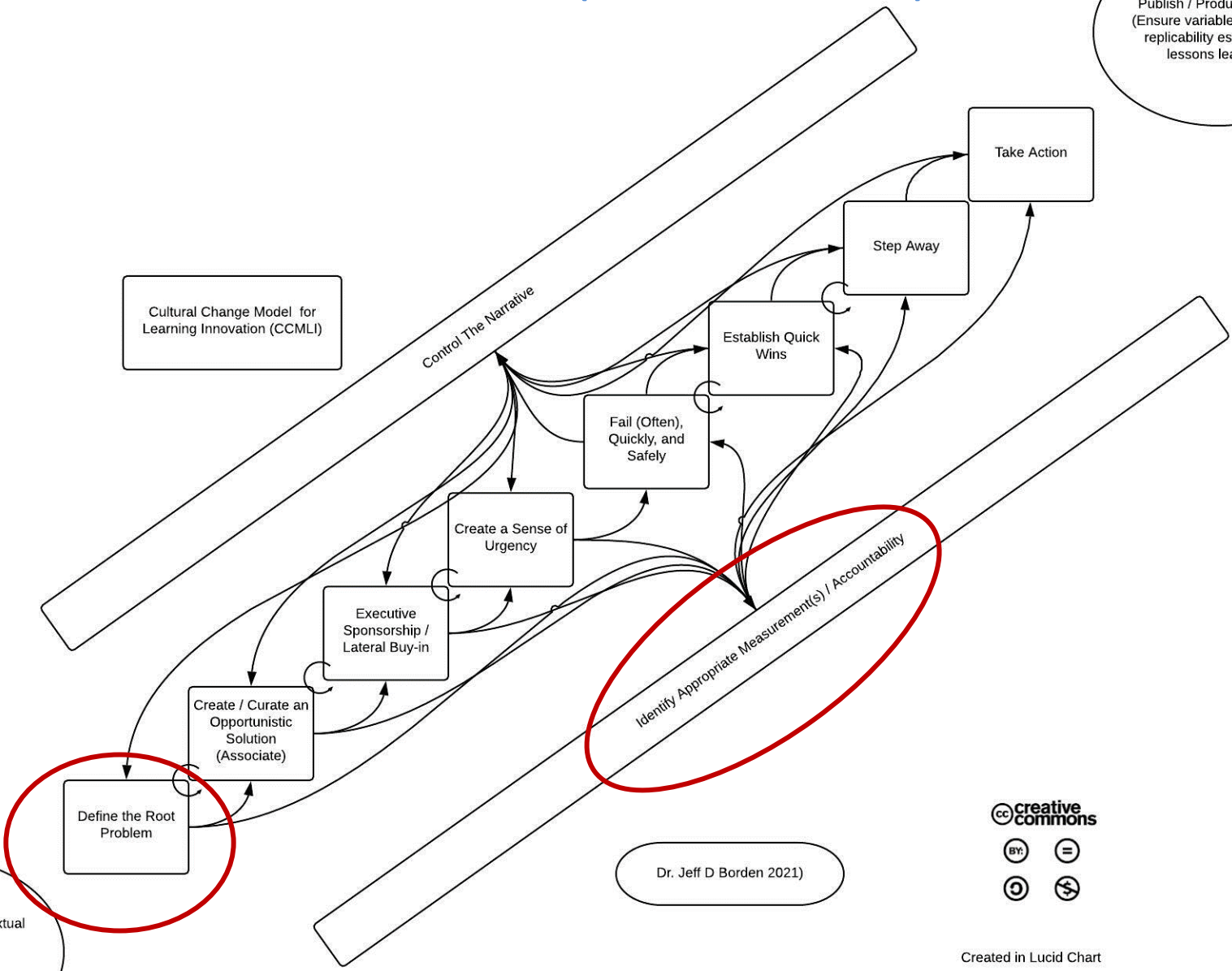


# CCMLI: Find the REAL Problem (& Measure It)

Publish / Produce Results  
(Ensure variables identified,  
replicability established,  
lessons learned)

Consistent cross-contextual  
reading, research,  
experience, hiring,  
brainstorming

Cultural Change Model for  
Learning Innovation (CCMLI)



Dr. Jeff D Borden 2021)



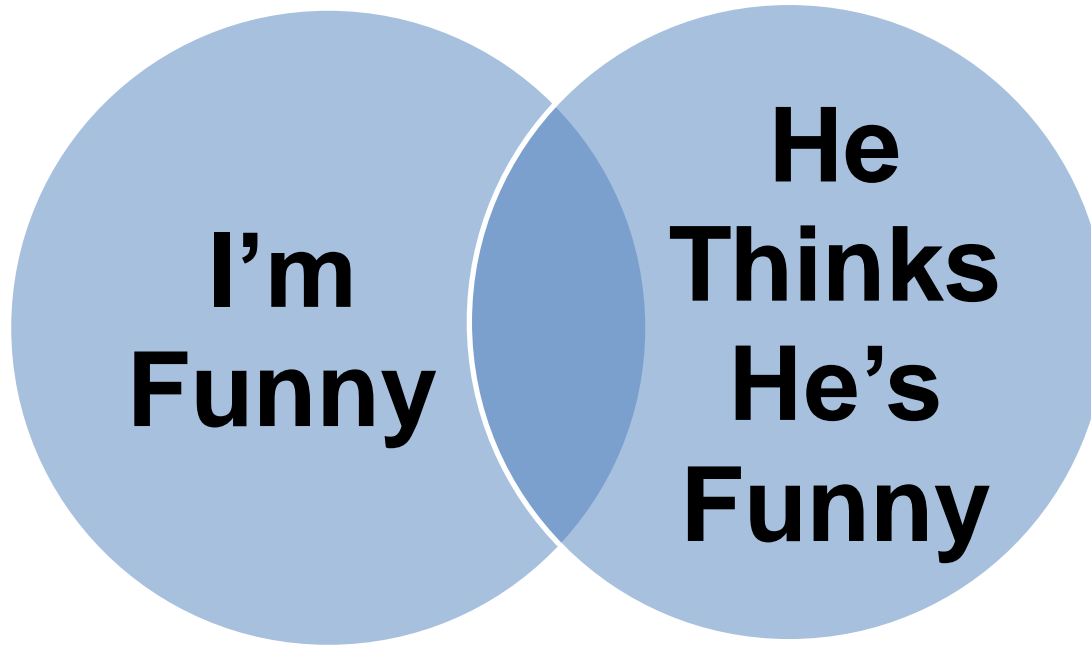
# Perception Determines Perspective

- Internal Perception

- ▶ What you believe to be true.

- External Perception

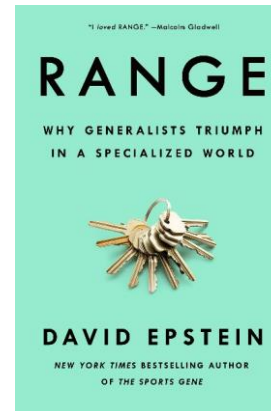
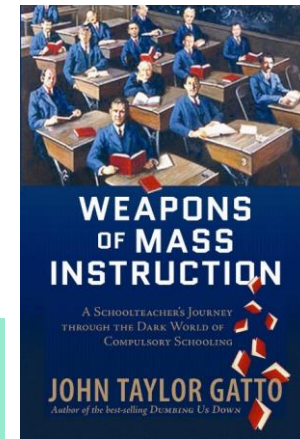
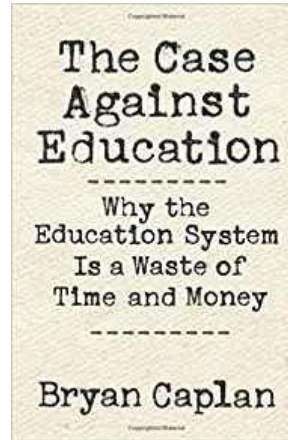
- ▶ What others believe to be true about you.
- ▶ Ice Cream Flavor Test





# Does Learning Happen?

- Education does not measurably impact:
  - Learning
  - Creativity
  - Critical Thinking
  - Job Skills
  - Transference



# Employers Expect New Job Skills

## 1950-2005

- Write effectively
- Speak effectively
- Become efficient
- Be an expert
- Loyalty
- Work ethic

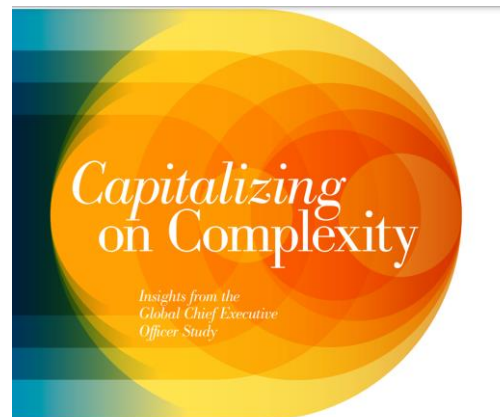
## 2005 -

- Embrace change
  - Lead
  - Autonomy
  - Collaborate
  - Curate / Focus
  - Critical Thinking
  - Innovative
- Jacob Morgan: “The Future of Work” (2014)

# IBM 2010 Global CEO Survey

- *“...more than rigor, management discipline, integrity, or even vision – navigating an increasingly complex world will require innovation and creativity.”*
- *80% of employers seeking creative employees cannot find them to hire...*

- 1500 CEO's from 60 Countries

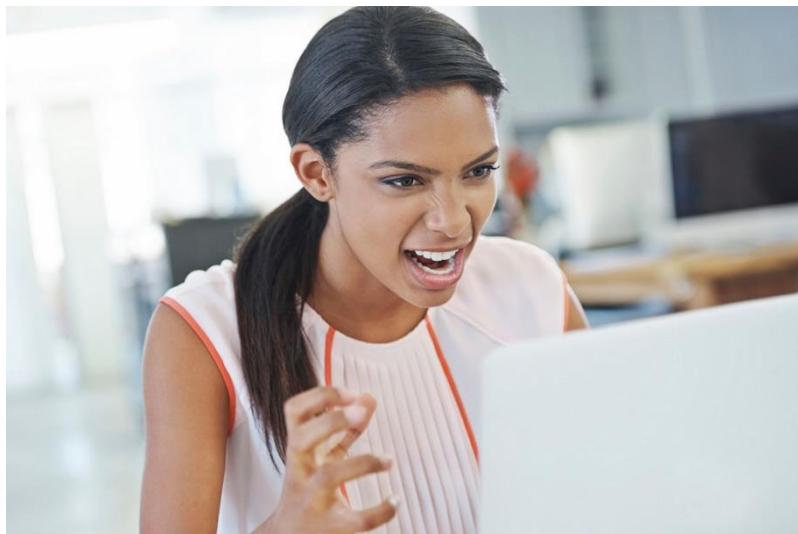
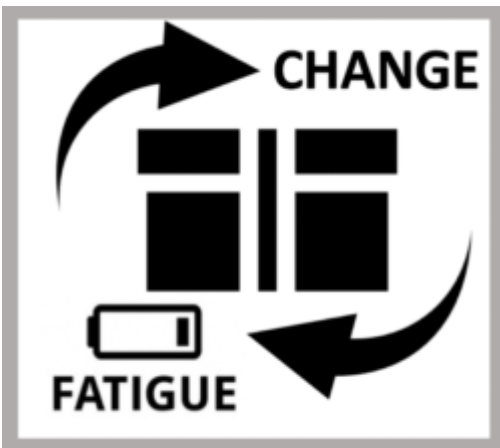


# Change Is Exciting, Transformative, Cool





# Change Is Awful



Dana C. Soffe B, Shipley J, Licari F, Larsen R, Plummer K, Bybee S, Jensen J  
 MedEdPublish  
<https://doi.org/10.15694/mep.2021.000089.1>



Research article Open Access

## Why do faculty resist change?

**Clark Dana[1], Burke Soffe[1], Jeff Shipley[2], Frank Licari[1], Ross Larsen[2], Kenneth Plummer[2], Seth Bybee[2], Jamie Jensen[2]**

**Corresponding author:** Dr. Jamie Jensen [jamie.jensen@byu.edu](mailto:jamie.jensen@byu.edu)  
**Institution:** 1. Roseman University of Health Sciences, 2. Brigham Young University  
**Categories:** Teachers/Trainers (including Faculty Development), Teaching and Learning, Research in Health Professions Education, Undergraduate/Graduate

Received: 17/09/2020  
 Published: 08/04/2021

### Abstract

**Background:** Much of what an educator needs to know to be successful is invisible to lay observers, leading to the assumption that teaching requires little formal study.

**Aims:** This study is based on an 8-month faculty development workshop on student-centered teaching. Faculty members who made no noticeable changes in their teaching practices were compared to faculty who made noticeable and significant changes.

**Method:** Using a qualitative narrative approach based on a structured interview we aimed to categorize the features of changers and resisters.

**Results:** Faculty resisters did not see any need for changes in the way we teach, did not believe student-centered teaching to be more effective, could not appropriately define student-centered teaching, were motivated by extrinsic factors, and felt undervalued. Conversely, faculty changers were excited for changes and saw the need for change and for student-centered teaching, were intrinsically motivated, and felt valued as faculty members.

**Conclusion:** We hypothesize that a main reason for resistance is the status quo bias. Implications for faculty development are discussed.

**Keywords:** Dental education; faculty change; professional development; resistance

### Introduction

Efforts to improve teaching are not unique to dental education. A systematic review examining teaching effectiveness in health professions education determined that faculty members in general lack formal training in educational methodology and pedagogy. The review emphasized how faculty development is needed (Steinert *et al.*, 2006).

Furthermore, cognitive psychologists aptly summarize a major critique of higher education: "It would be difficult to



# The Results Are In for Remote Learning: It Didn't Work



EdSurge News Research Events Jobs Board More Newsletter

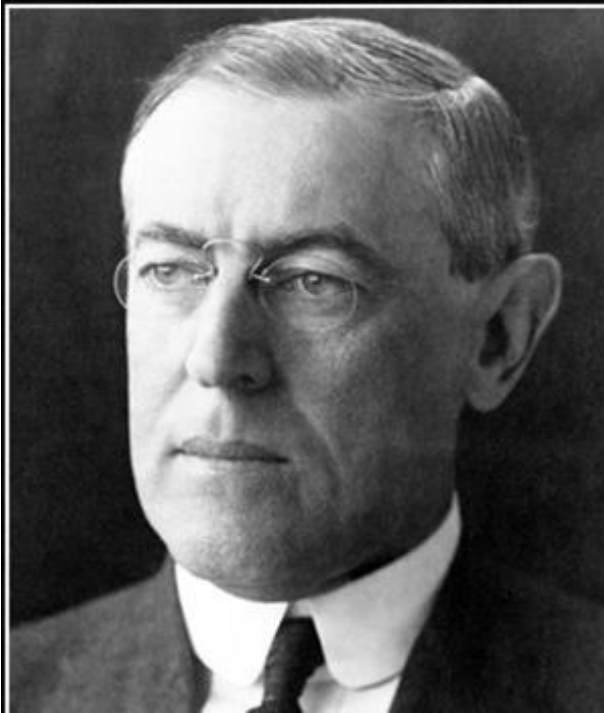
HIGHER EDUCATION

## Pandemic May (Finally) Push Online Education Into Teacher Prep Programs

By Rebecca Koenig May 28, 2020



# Do You REALLY Want Innovation?



We want one class of persons to have a liberal education, and we want another class of persons, a very much larger class of necessity in every society, to forgo the privilege of a liberal education and fit themselves to perform specific difficult manual tasks.

— *Woodrow Wilson* —

# Social Engineering

*“All focus must remain at the front for the teacher, the chalkboard, and the information, with students in rows, quietly reading books, and absorbing information, only speaking when spoken to and only taking breaks when bells ring, promoting isolation and fear will create the working class America needs.”* Ellwood P Cubberly - 1900



Only a system of state-controlled schools can be free to teach whatever the welfare of the State may demand.

— Ellwood Patterson Cubberly —

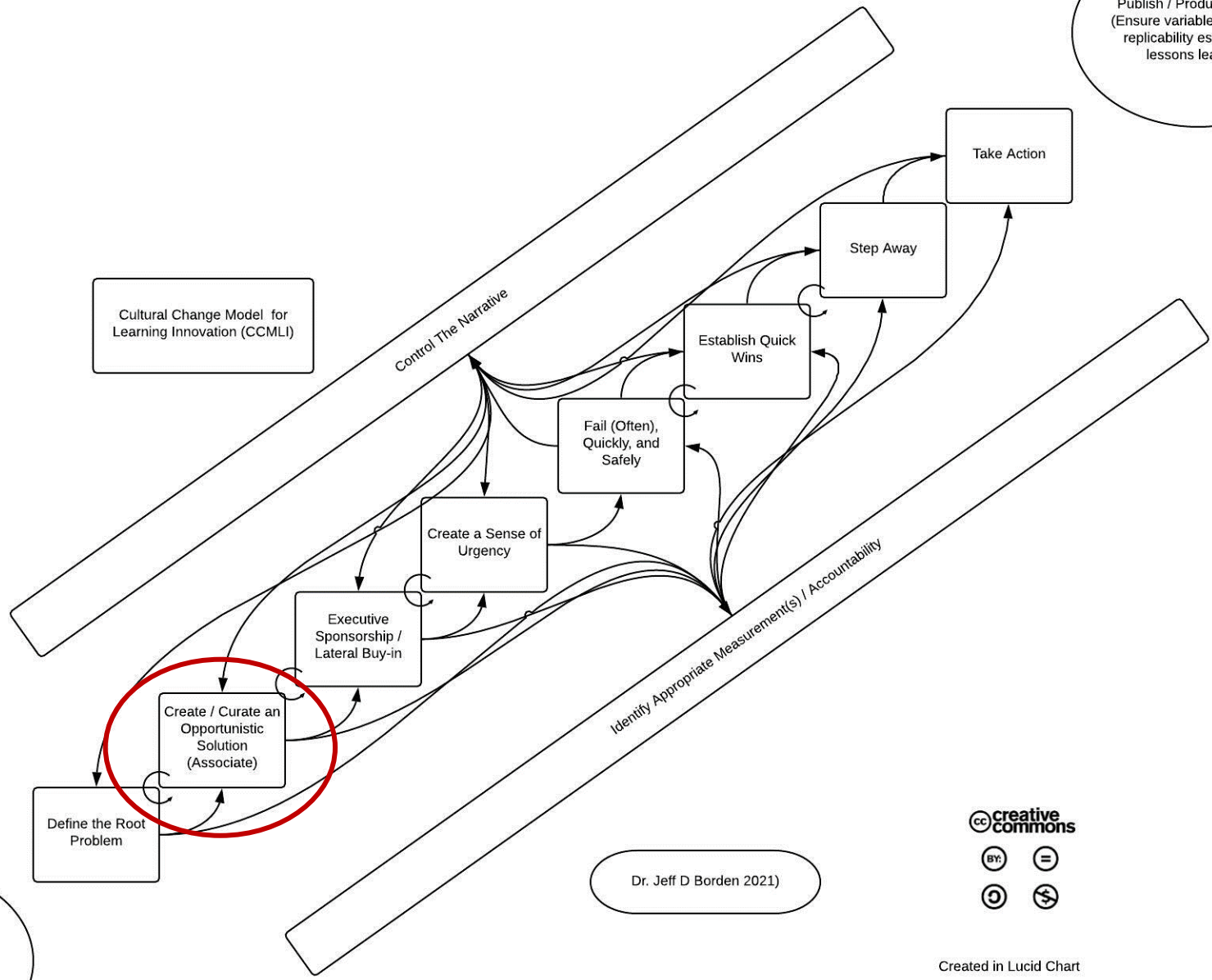
AZ QUOTES

*“As I was writing Brain Rules, it hit me [that] if you wanted to design a learning environment that was directly opposed to what the brain is naturally good at doing, you would design something like a classroom.”*



# CMMLI: Curate A Solution

Publish / Produce Results  
(Ensure variables identified,  
replicability established,  
lessons learned)



Cultural Change Model for Learning Innovation (CCMLI)

Control The Narrative

Identify Appropriate Measurement(s) / Accountability

Consistent cross-contextual reading, research, experience, hiring, brainstorming

Dr. Jeff D Borden 2021)

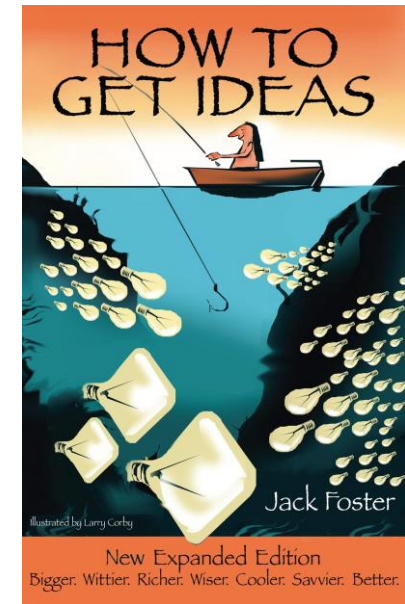


Created in Lucid Chart



# How do you get a GREAT idea?

- Answer: Get a lot of ideas...
- “Work creates work, effort creates effort, and ideas create more ideas”



WW\_D?

Cadbury

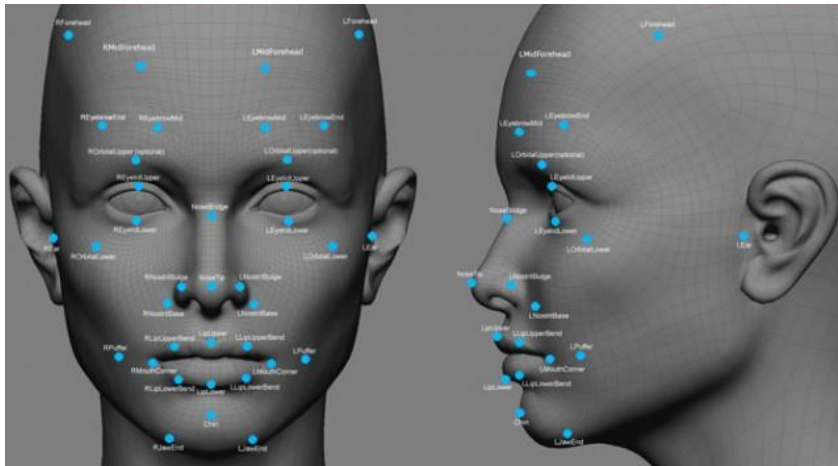


TESLA

D2L



# Can We Measure Engagement?



	Lower ←						
Upper ↓	Fear	Anger	Disgust	Joy	Neutral	Sadness	Surprise
Fear							
Anger							
Disgust							
Joy							
Neutral							
Sadness							
Surprise							

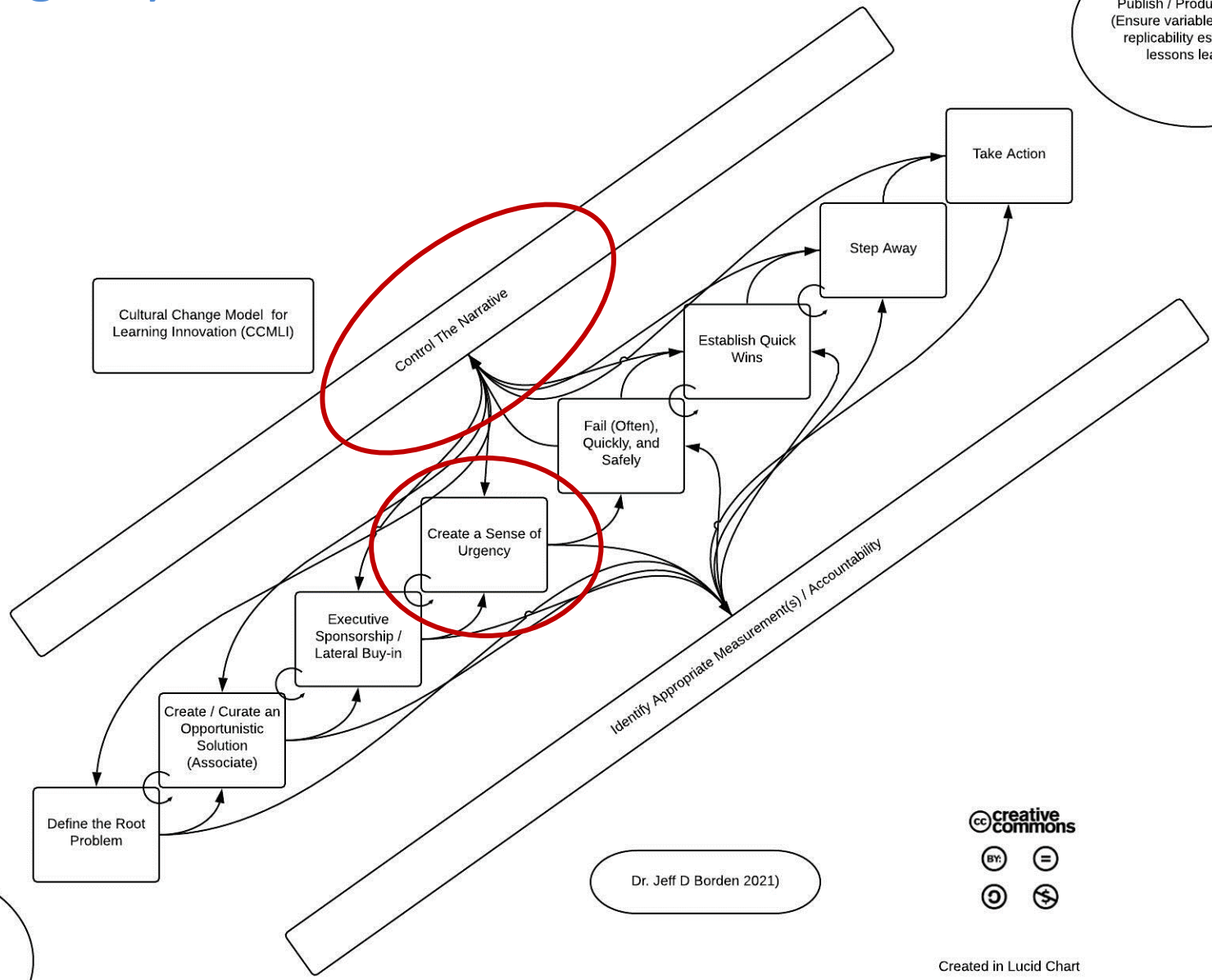
**MICRO-EXPRESSIONS**

MICRO-EXPRESSIONS ARE INVOLUNTARY 'CUES' THAT LAST UNDER A SECOND, BUT 'LEAKAGE' REVEALS THE TRUE FEELINGS OF A SUBJECT AND CAN BE USED TO DETECT POSSIBLE DECEIT OR THE CONCEALMENT OF INTENTION(S).

MICRO-EXPRESSIONS ARE UNCONSCIOUS EXPRESSIONS THAT SURFACE AS THE LIMBIC PART OF OUR BRAINS SORT, GATHER, AND ASSESS INFORMATION.

# CCMLI: Urgency / Narrative

Publish / Produce Results  
(Ensure variables identified,  
replicability established,  
lessons learned)



Cultural Change Model for Learning Innovation (CCMLI)

Control The Narrative

Create a Sense of Urgency

Fail (Often), Quickly, and Safely

Establish Quick Wins

Step Away

Take Action

Identify Appropriate Measurement(s) / Accountability

Consistent cross-contextual reading, research, experience, hiring, brainstorming

Dr. Jeff D Borden 2021)



# Nordstrom and the Returned Tire





# e-vangelists vs C.A.V.E. People



# CAVE #1: Non-System Thinkers

- Student-centric (No hacks or workarounds)
- Mobile-centric (Device based work)
- Integration-centric (No fire extinguishers)
- Data-centric (No black holes)
- Connection-centric (No silos)

# CAVE #2: You Can't See Me

Duck & Cover Education



# Motivate: Others Are Disrupting



Your knowledge equals college credit.

CUNY School of Professional Studies

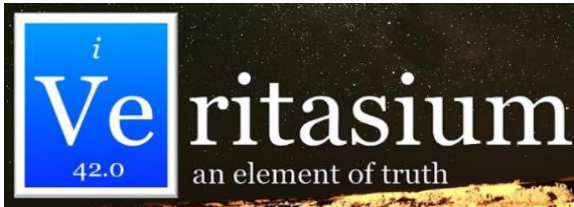
A blue rectangular graphic with a yellow outline of a human head profile on the left containing a gear. To its right is an equals sign, followed by a stack of five yellow coins with a graduation cap on top. The text "Your knowledge equals college credit." is on the right, and "CUNY School of Professional Studies" with the CUNY logo is at the bottom right.

**coursera**

A grid of logos for various partner institutions and companies. The logos include: Macquarie University, Princeton University, pwc, University of Virginia, ASU (Arizona State University), M (Michigan), Berklee, N (Northwestern), I (Illinois), Google, Duke University, Yale, HEC Paris, University of Colorado Boulder, IBM, Cal Arts, University of London, Cisco, University of Michigan, UCI, Johns Hopkins University, Imperial College London, Rice University, MIT, Emory University, Tecnológico, and UC Davis. The word "coursera" is written in white lowercase letters across the center of the grid.



# Motivate: High Quality Science / Math



HERE'S THE PROOF 19:25

3D PRINTED ROCKETS 19:58

$3x+1$  22:09

20 Million Miles No Driver. 18:08

YOU ARE NOT A VISUAL LEARNER 14:27

WHO'S RIGHT? 17:56

Clickbait is Unreasonably Effective 3.5M views · 1 week ago CC

The Genius of 3D Printed Rockets 5M views · 1 week ago CC

The Simplest Math Problem No One Can Solve - Collatz... 10M views · 3 weeks ago CC

Why You Should Want Driverless Cars On Roads... 1.9M views · 1 month ago CC

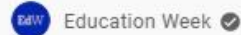
The Biggest Myth In Education 6.2M views · 1 month ago CC

A Physics Prof Bet Me \$10,000 I'm Wrong 7.7M views · 1 month ago CC



## Dan Meyer on Real-World Math

144K views · 10 years ago



Math teacher Dan Meyer explains how presenting real-life scenarios through photos and videos makes math problems ...



What I learned from President Obama - Smarte... 8:11

How Houdini DIED (in Slow Motion) - Smarter Every Da... 6:44

AK-47 Underwater at 27,450 frames per second (Part 2)... 10:08

The Backwards Brain Bicycle - Smarter Every Da... 7:58

How Hard Can You Hit a Golf Ball? (at 100,000 FPS)... 16:13

STRAPPED INTO A SINKING HELICOPTER (with U.S... 11:19



The Salamander That Refuses to Grow Up 4:11

GOOD VIBRATIONS 20:28

There's Hope in the Latest Climate Report 5:45

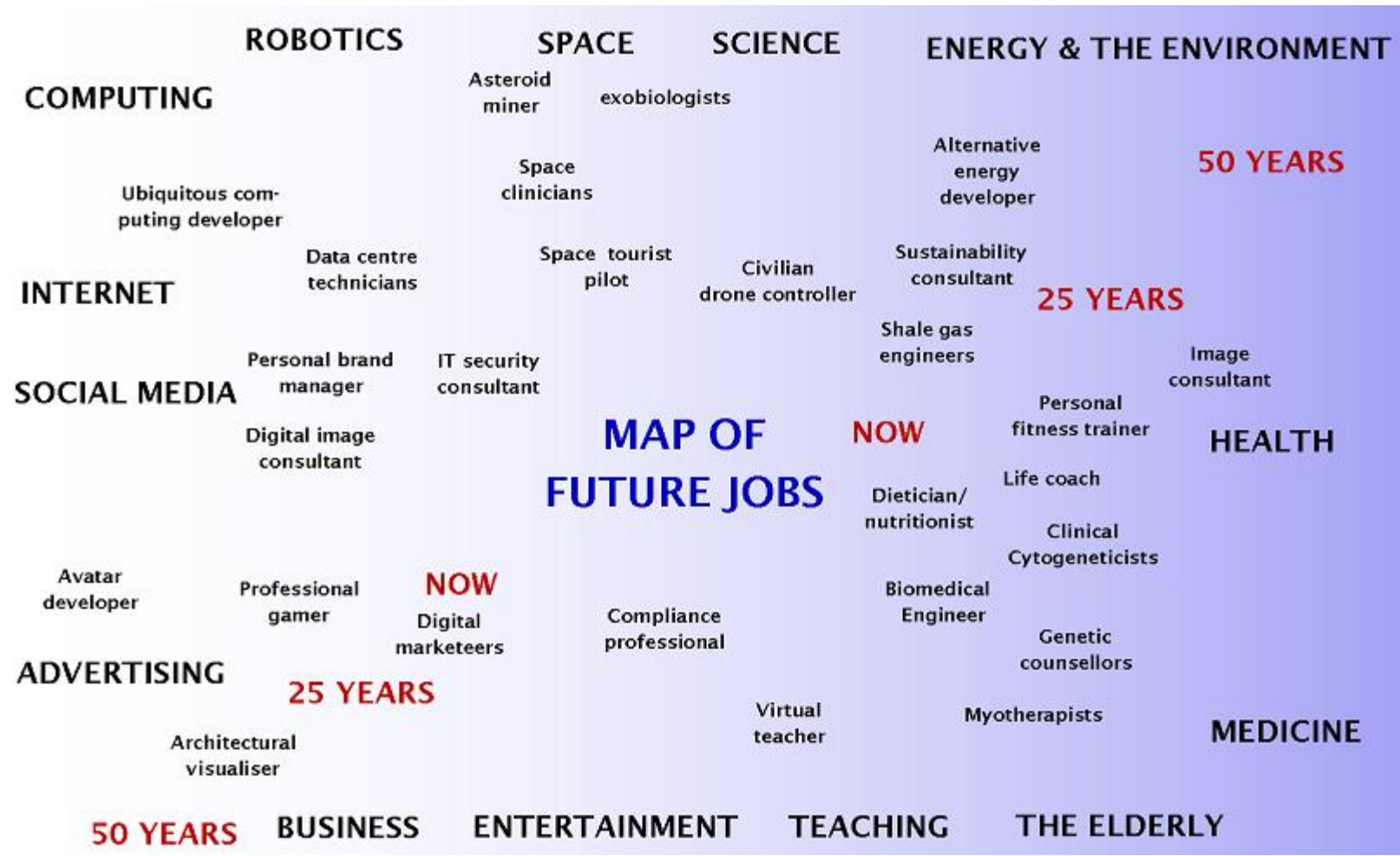
Why Does Rubbing Tired Eyes Feel Good? 3:16

5 Weird Things We Believe About Death 9:05

The Real Reason Dogs Kick When You Scratch Them 2:56



# Motivate: The Future



# Motivate: The Future Is Here



☰ News Local Weather Cooking with Eric Livestream Submit Photos and Videos

## Scientists are working to bring back the woolly mammoth

INNOVATIVE DESIGN

## A Flying Car Is Set to Take to the Skies

After getting approved in Slovakia, a car that converts into a small plane will soon be reality

By Shivani Vora

January 27, 2022

# Motivate: Make People Care

ALTERNATIVE REALITY LEARNING EDUCATION

ORLA

## ALTERNATIVE REALITY LEARNING EDUCATION: MOCK-TRIALS & GAMES FOR POLITICAL SCIENCES AT SAINT LEO UNIVERSITY, 2016-2018

ICELW 2016

June 15<sup>th</sup>-17<sup>th</sup>, New York, NY, USA

### DIGITAL WHITEBOARDS: A TECHNOLOGY TO FOSTER STUDENT ENGAGEMENT

M. Campbell, R. Lucio, M. Detres  
Saint Leo University (UNITED STATES)

#### Abstract

This qualitative study explored the role that technology plays in promoting student engagement. In the evolving space of online education in Social Work, it is imperative that educators find effective strategies to promote student engagement. Digital whiteboards have become a popular and unique tool to gather data, share information and promote interactive discussion and dialogue. This study: 1) described the application of a digital whiteboard to an assignment, 2) identified lessons learned about the application of new technology in the virtual classroom, 3) provided a thematic qualitative analysis of findings from a group of graduate students regarding the impact technology had on their learning and their sense of engagement.

Keywords: Engagement, technology, world cafe, virtual.

## Creating a Culture of Learning Innovation

Michael Nastanski<sup>1</sup> and Jeff D. Borden<sup>1</sup>  
<sup>1</sup> Saint Leo University / Academic Affairs, Saint Leo, FL, USA

### EXPLORING METL: A COLLABORATIVE APPROACH TO EDUCATION

J. Prince  
Saint Leo University (UNITED STATES)

Background:  
In fall semester 2015, six faculty members at Saint Leo University began pilot-testing MeTL, software developed by Monash University of Australia. MeTL offers a variety of tools for interaction between instructor and students, as well as peer-to-peer features. The software includes a whiteboard space and the ability to import PowerPoint slides, and graphics—all of which can be written on with the tablet's pen or by typing. MeTL was housed on the university's server allowing instructors and students to (re)visit course materials at will.



Biochemistry and Molecular Biology | [Free Access](#)

## Using an Alternate Reality Learning Experience (ARLE) to Integrate Molecular Biology Techniques and Concepts in a General Chemistry Laboratory

Cheryl L. Clauson-Kozina, Jeff D. Borden, Steve ...  
First published: 03 October 2018 | <https://doi.org/10.1080/002615479.2018.1556631>

Original Articles

## Can a digital whiteboard foster student engagement?

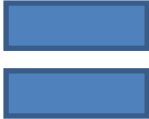

Michael Campbell, Maridelys Detres & Robert Lucio  
Pages 735-752 | Received 04 Mar 2018, Accepted 25 Nov 2018, Published online: 22 Jan 2019

[Download citation](#) | <https://doi.org/10.1080/002615479.2018.1556631> [Check for updates](#)

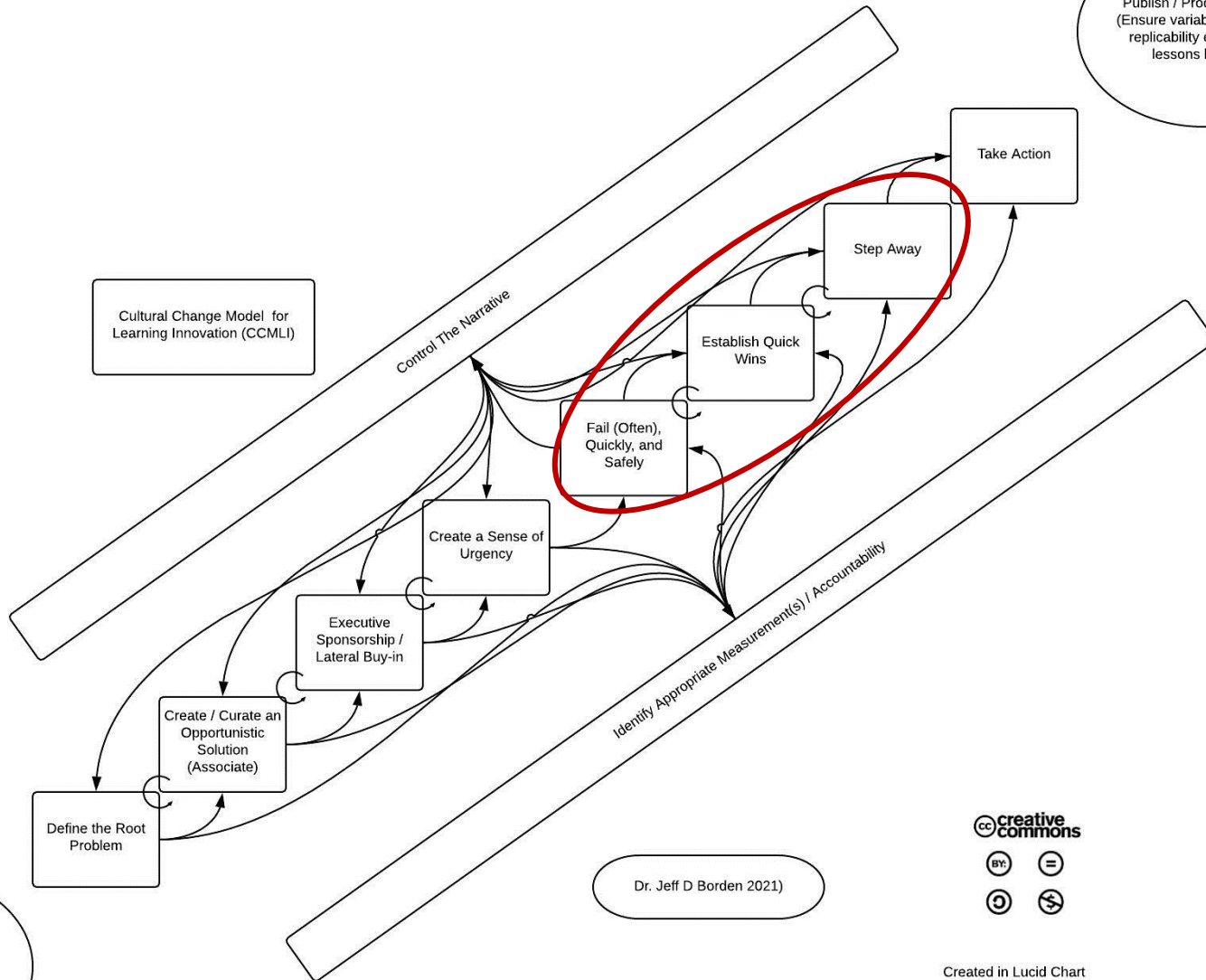


# Do You Really Want Innovation?

Innovation leading to transformation  Technology 

Innovation leading to transformation  Change Management 

Publish / Produce Results  
(Ensure variables identified,  
replicability established,  
lessons learned)





# Dr. George Siemens

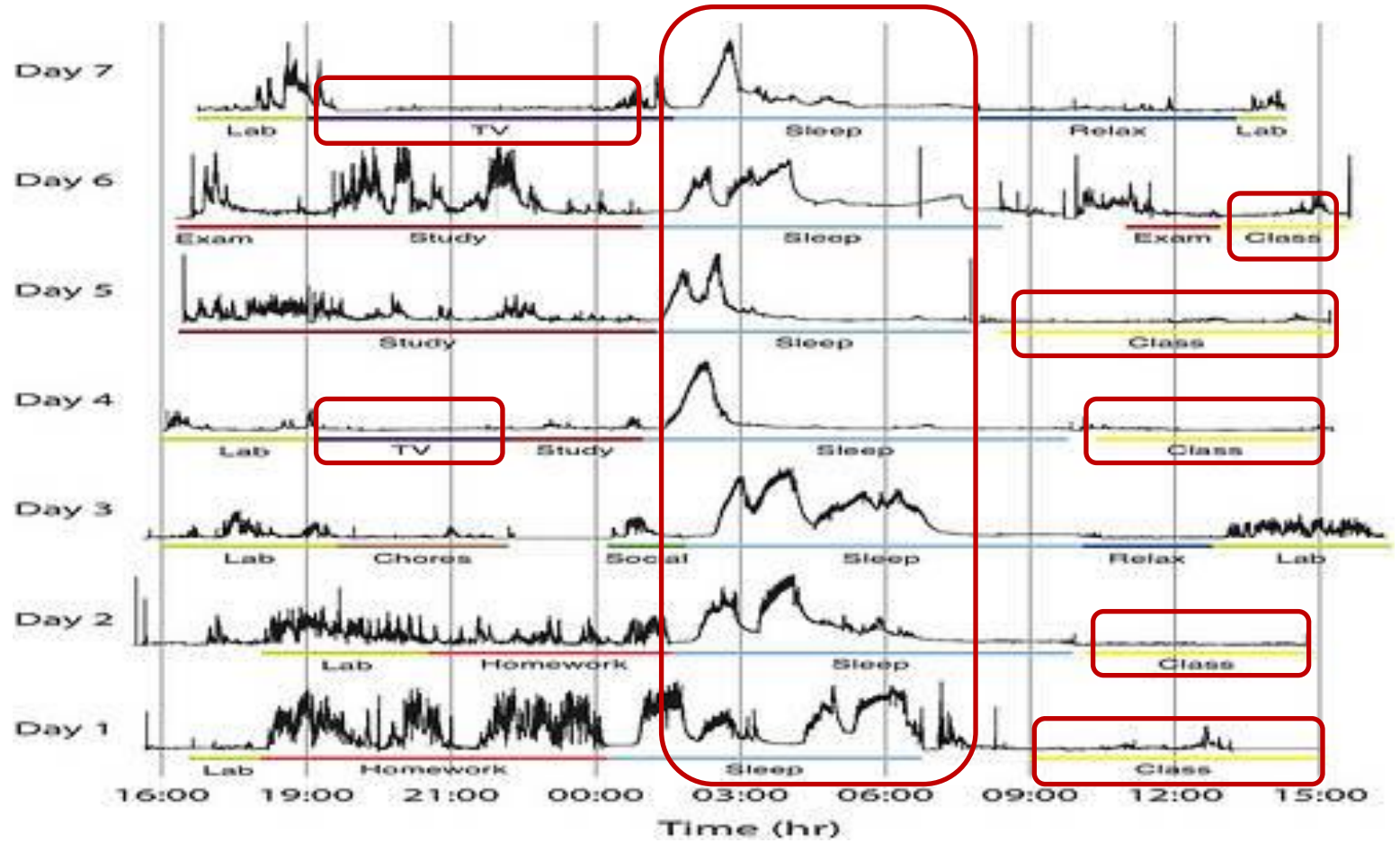


“I wonder when it will become illegal to teach by lecture. No longer worthy of the placebo effect in experiments, the mounting evidence is so clear that active learning strategies are better in every measurable way, I wonder when Do-No-Harm will be invoked in the classroom?”  
(2018)

# Dr. Eric Mazur



# Engagement



# Generative “Do First” Learning: Perfect Icing

What I Should Have Done:

3 cups powdered sugar  
1/3 cup butter or  
margarine, softened  
1 1/2 teaspoons vanilla  
1 to 2 tablespoons milk

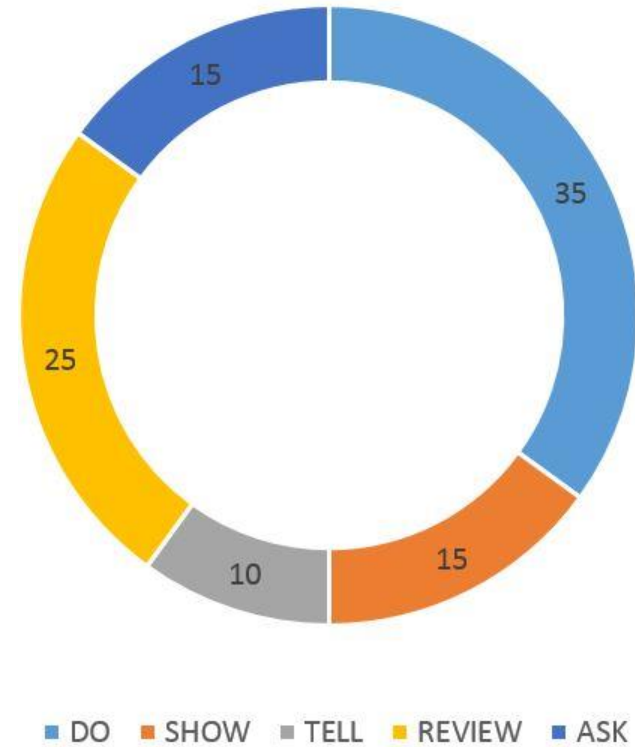
What I Did:

4 cups powdered sugar  
1/3 cup butter or  
margarine, softened  
1 1/2 teaspoons vanilla  
1 to 2 tablespoons milk

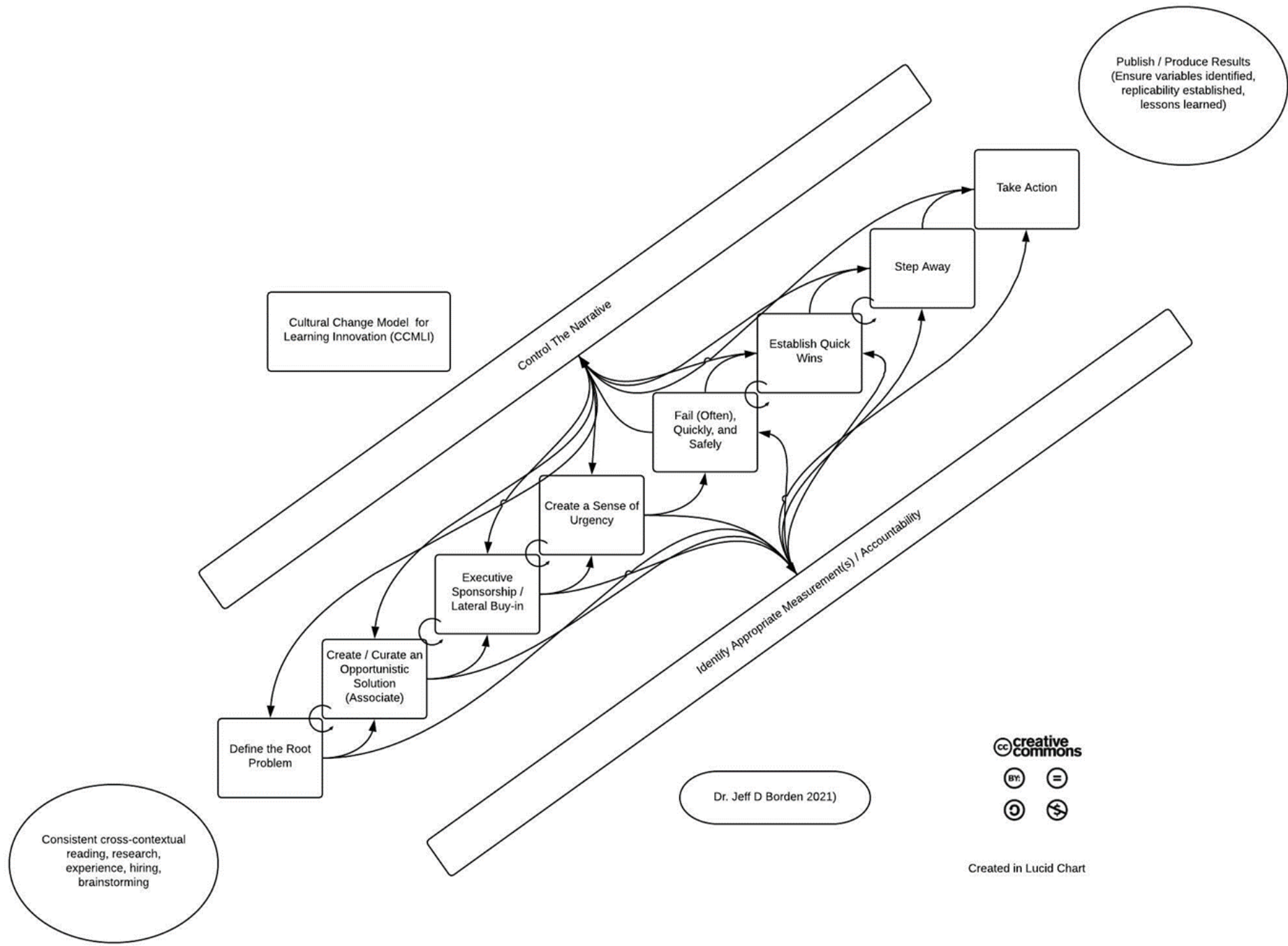
How Do I Fix It?:



~~DO~~  
~~TELL~~  
SHOW  
~~TELL~~  
REVIEW  
ASK







# Thank You!

## Read

- <http://jeffpresents.com>
- <https://www.iceinstitute.org/blog-1/>
- <http://d2l.com/teaching-and-learning-studio>

## Connect

- [jborden2@nu.edu](mailto:jborden2@nu.edu)
- [jborden@jeffpresents.com](mailto:jborden@jeffpresents.com)

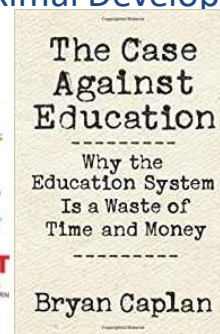
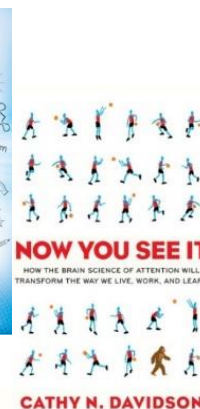
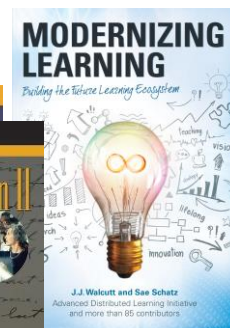
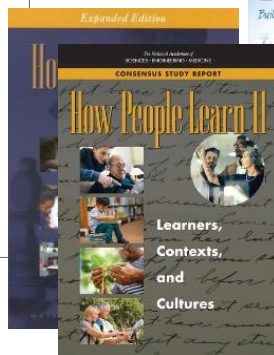
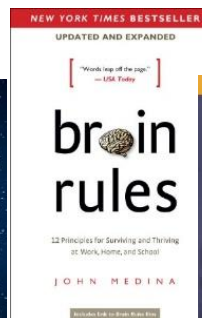
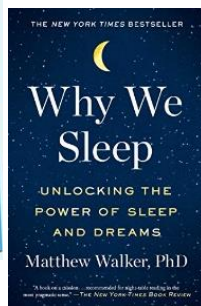
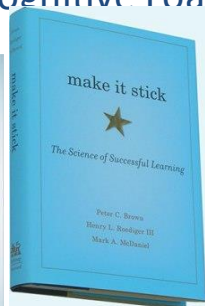
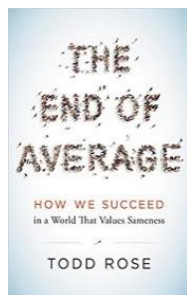
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- [Linkedin.com/prospeaker](https://www.linkedin.com/company/prospeaker)



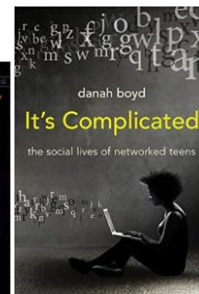
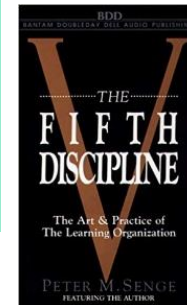
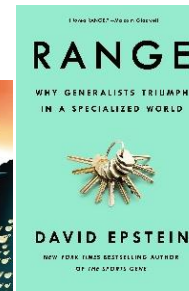
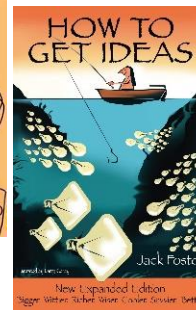
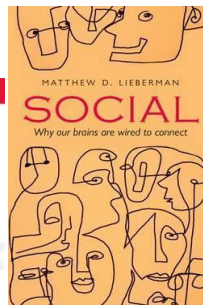
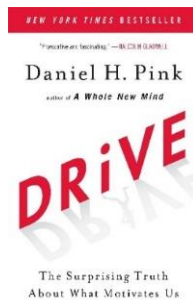
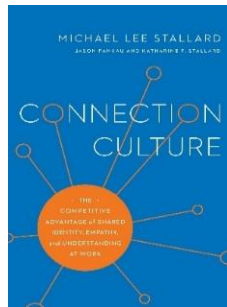
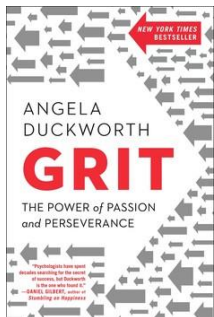
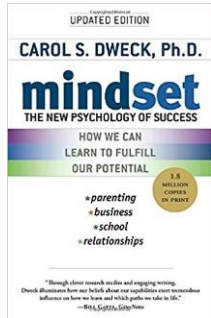
# Cognition

- What is Learning?
- Outcomes
- Data
- Literacy / Numeracy (across the curriculum)
- Instructional Design
- Do, Show, Tell, Review, Ask
- Blind Spots
- Averagarianism
- Associative Thinking
- Groups (Forming, Process, Accountability)
- Cognitive Load
- Authentic Assessment
- Desirable Difficulties
- Bad learning neurotransmitters
- Good learning neurotransmitters
- Pattern Recognition
- Images vs Words / Text
- Generalization vs Specialization
- Transference
- Lecture vs Active Learning
- Frames & Mechanics
- Narrative
- Zone of Proximal Development



# Affection / Conation

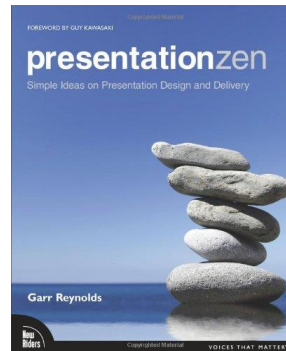
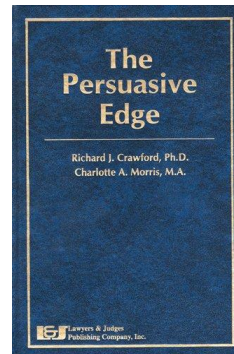
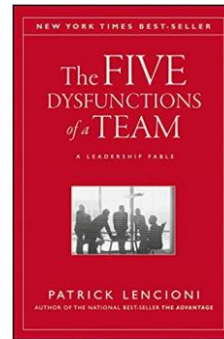
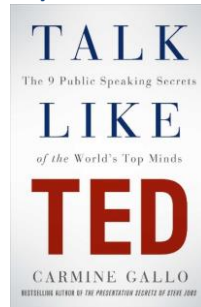
- Connection
- Caring
- Support
- Friendship
- Affinity
- Mentors
- Pride
- Systems Thinking
- Innovation
- Resilience
- Motivation
- Tenacity
- Open-Mindedness
- Self-Discipline
- Growth Mindset
- Social Intelligence
- Curiosity
- Creativity



# Communication

- Nonverbals (Semiotics)

- Optics
- Objectics
  - Visual Aids
- Proxemics
- Haptics
- Vocalics
- Kinesics
- Chronemics



- Narrative

- Disequilibrium
- Resolution

- Humor

- When and when not

- Engagement

- Culture

- Persuasion

- Monroe's Motivated Sequence
- Aristotle's Canons of Rhetoric

- Informing

- Credibility
- Novelty

- Introductions

- Attention / Focus Grabbing
- Statement of goodwill
- Preview / Thesis

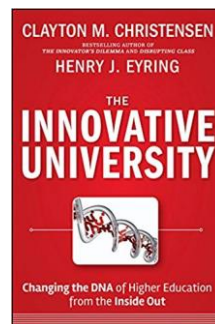
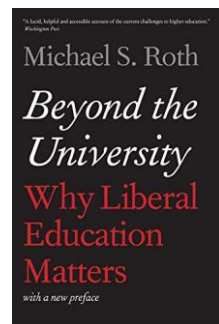
- Teams / Groups

- Formation
- Task / Performance Mgmt
- Accountability



# Innovate Better: Recommended Reading

- How To Get An Idea (Foster, 2007)
- Drive (Pink, 2011)
- Mindset (Dweck, 2007)
- Brain Rules (Medina, 2014)
- Now You See It (Davidson, 2012)
- The End of Average (Rose, 2016)
- The Gamification of Learning and Instruction (Kapp, 2012)
- Active Learning: 101 Activities to Teach any Subject (Silberman, 1996)
- What the Best College Teachers Do (Bain, 2004)
- A Whack on the Side of the Head (Von Oech,



# Teach Better: Good Follows

- Phil Hill
- George Siemens
- Jeffrey Selingo
- Jackie Gerstein
- Larry Ferlazzo
- Dan Meyer
- Derek Muller
- Geoff Leigh
- Emma Zone
- Neil Mosley
- Jeff Borden
- e-literate
- WCET
- OLC
- Educause
- THE (Times Higher Ed)
- ProfHacker
- Ed Biz
- Eduventures
- TheAtlanticEducation
- Veritasium
- Smarter Every Day
- Open University

# Teach Better: Recommended Reading

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